

RPM DIESEL 2565 ST. RD. 84 FORT LAUDERDALE FL Phone: Email: Fax:	Machine ID: A PLACE IN THE SUN Machine Year: NA	Component ID: A PLACE IN THE SUN SUNMDSPORT GENERATOR Component Make: ISUZU Component Model: GENERAL Component Year: NA Component Type: DIESEL ENGINE Component Location: PORT GENERATOR Sump Capacity: 6 Quarts	M/C MOTOR CHECK ANALYSIS CLINIC 2000 N FLORIDA MANGO RD SUITE 104 WEST PALM BEACH FL 33409 561-684-7799
Component Description:			


Sample ID	Date Taken	Hours on Component	Hours on Oil	Oil Weight	Oil Brand	Oil Type	Oil Changed	Date Analyzed	User Sample ID
43875	5/9/2023	317	100	15W40	UNKNOWN	UNKNOWN	No	5/9/2023	
Comments: ALL ENGINE WEAR RATES NORMAL. SODIUM LEVEL HIGHER THAN TYPICAL, CHECK FOR SOURCE OF COOLANT AND/OR SALT WATER LEAK.									

Sample ID	Wear Metals(ppm)						Contaminant Metals (ppm)			Multi-Source Metals (ppm)					Additives (ppm)					
	Iron	Chromium	Aluminum	Copper	Lead	Tin	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Nickel	Manganese	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
43875	6	3	<2	2	6	5	X	7	148	19	X	8	X	X	X	X	X	X	X	X

Sample ID	Contaminants					Physical Properties					
	Fuel	Soot	Water	Glycol	Nitration	TBN	Oxidation	V40C	V100C	Vindex	Visc Mode
43875	-	0.1	<0.1	-	5.3	5.8	<2.0	109	14.4	135	C

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RPM DIESEL 2555 ST. RD. 84 FORT LAUDERDALE FL Phone: Email: Fax:	Machine ID: A PLACE IN THE SUN Machine Year : NA	Component ID: A PLACE IN THE SUN SUNMDSSTARBOARD GENERATOR Component Make: ISUZU Component Model: GENERAL Component Year: NA Component Type : DIESEL ENGINE Component Location: STARBOARD GENERATOR Sump Capacity: 8 Quarts	 MOTOR CHECK ANALYSIS CLINIC 2000 N FLORIDA MANGO RD SUITE 104 WEST PALM BEACH FL 33409 561-684-7799
Component Description:			

Sample ID	Date Taken	Hours on Component	Hours on Oil	Oil Weight	Oil Brand	Oil Type	Oil Changed	Date Analyzed	User Sample ID
43877	5/9/2023	272	100	15W40	UNKNOWN	UNKNOWN	No	5/9/2023	
ENGINE WEAR RATES NORMAL FOR BREAK-OVERHAUL PERIOD. SAMPLE APPEARS FREE OF EXTERNAL CONTAMINATION. ANALYSIS INDICATES PROPER PERFORMANCE OF THE LUBRICANT AND UNIT.									

Wear Metals(ppm)							Contaminant Metals (ppm)			Multi-Source Metals (ppm)					Additives (ppm)					
Sample ID	Iron	Chromium	Aluminum	Copper	Lead	Tin	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Nickel	Manganese	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
43877	<2	<2	<2	<2	<2	<2	X	6	<2	<2	X	3	X	X	X	X	X	X	X	X
Contaminants							Physical Properties													
Sample ID	Fuel	Soot	Water	Glycol	Nitration	TBN	Oxidation	V40C	V100C	Vindex	V40C Limit	V100C Limit	Visc Mode							
43877	-	0.3	<0.1	-	<2.0	9.7	4.5	110	14.4	134	92 - 124	12.5 - 16.3	C							

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X = Not Applicable for Test Type
NOTE: HOURS OR MILES ON UNIT AND/OR HOURS OR MILES ON OIL: "0" = HOURS/MILES UNKNOWN.
UNKNOWN HOURS OR MILES ON UNIT OR ON OIL **LIMITS THE ACCURACY OF THE TEST RESULTS**
*Accuracy of recommendations is dependent on representative oil samples and completely correct data on both unit and oil. This analysis is intended as an aid in predicting mechanical wear, no guarantee expressed or implied, is made against failure of this component. Motorv/Check (Oil Lac LLC) liability in any case is limited to the cost of the reported analysis.

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KEY:

ABNORMAL

SEVERE

D = DETECTED


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C = CALCULATED

M = MEASURED

RPM DIESEL 2555 ST. RD. 84 FORT LAUDERDALE FL Phone: Email: Fax:		Machine ID: A PLACE IN THE SUN Machine Year : NA		Component ID: 12VF005993 Component Make: DETROIT DIESEL Component Model: 8122-7400 Component Year: NA Component Type : DIESEL ENGINE Component Location: PORT MAIN Sump Capacity: 12 Gallons		 MOTOR CHECK ANALYSIS CLINIC 2000 N FLORIDA MANGO RD SUITE 104 WEST PALM BEACH FL 33409 561-684-7799	
Component Description:							

Sample ID	Date Taken	Hours on Component	Hours on Oil	Oil Weight	Oil Brand	Oil Type	Oil Changed	Date Analyzed	User Sample ID
43879	5/9/2023	10	10	15W40	UNKNOWN	UNKNOWN	No	5/9/2023	
LOW TIME ON OIL LIMITS ACCURACY OF TEST DATA. HOWEVER, ENGINE WEAR RATES NORMAL FOR BREAK-IN/OVERHAUL PERIOD. ENGINE WEAR RATES NORMAL FOR FIRST OIL CHANGE. SAMPLE APPEARS FREE OF EXTERNAL CONTAMINATION. ANALYSIS INDICATES PROPER PERFORMANCE OF THE LUBRICANT AND UNIT.									

Wear Metals(ppm)							Contaminant Metals (ppm)			Multi-Source Metals (ppm)					Additives (ppm)					
Sample ID	Iron	Chromium	Aluminum	Copper	Lead	Tin	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Nickel	Manganese	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
43879	96	2	<2	30	9	11	X	10	24	<2	X	16	X	X	X	X	X	X	X	X

Contaminants					Physical Properties								
Sample ID	Fuel	Soot	Water	Glycol	Nitration	TBN	Oxidation	V40C	V100C	Vindex	V40C Limit	V100C Limit	Visc Mode
43879	-	0.2	<0.1	-	<2.0	9.1	3.7	109	14.4	134	92 - 124	12.5 - 16.3	C

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Component Description:							

Sample ID	Date Taken	Hours on Component	Hours on Oil	Oil Weight	Oil Brand	Oil Type	Oil Changed	Date Analyzed	User Sample ID
43880	5/9/2023	1099	100	15W40	UNKNOWN	UNKNOWN	No	5/9/2023	
CYLINDER, CRANK OR CAM SHAFT WEAR INDICATED. WITH NO SIGNIFICANT LEAD OR TIN PRESENT. COPPER MOST LIKELY FROM SOURCE OTHER THAN WEAR. POSSIBLY OIL ADDITIVE. SAMPLE APPEARS FREE OF EXTERNAL CONTAMINATION.									

Wear Metals(ppm)						Contaminant Metals (ppm)			Multi-Source Metals (ppm)					Additives (ppm)						
Sample ID	Iron	Chromium	Aluminum	Copper	Lead	Tin	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Nickel	Manganese	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
43880	55	<2	<2	38	5	5	X	8	<2	3	X	<2	X	X	X	X	X	X	X	X

Contaminants					Physical Properties								
Sample ID	Fuel	Soot	Water	Glycol	Nitration	TBN	Oxidation	V40C	V100C	Vindex	V40C Limit	V100C Limit	Visc Mode
43880	-	0.4	<0.1	-	3.2	7.4	<2.0	109	14.4	135	92 - 124	12.5 - 16.3	C

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RPM DIESEL 2555 ST. RD. 84 FORT LAUDERDALE FL Phone: Email: Fax:	Machine ID: A PLACE IN THE SUN Machine Year: NA	Component ID: A PLACE IN THE SUN SUNMGROUP Component Make: ZF Component Model: BW195 Component Year: NA Component Type: GEARBOX Component Location: PORT Sump Capacity: 4 Gallons	 MOTOR CHECK ANALYSIS CLINIC 2000 N FLORIDA MANGO RD SUITE 104 WEST PALM BEACH FL 33409 561-684-7799
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Sample ID	Date Taken	Hours on Component	Hours on Oil	Oil Weight	Oil Brand	Oil Type	Oil Changed	Date Analyzed	User Sample ID
43881	5/9/2023	10	10	SAE 30	UNKNOWN	UNKNOWN	No	5/9/2023	
GEAR UNIT WEAR RATES NORMAL. SAMPLE APPEARS FREE OF EXTERNAL CONTAMINATION. ANALYSIS INDICATES PROPER PERFORMANCE OF THE LUBRICANT AND UNIT.									
Comments									


Wear Metals(ppm)							Contaminant Metals (ppm)			Multi-Source Metals (ppm)					Additives (ppm)					
Sample ID	Iron	Chromium	Aluminum	Copper	Lead	Tin	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Nickel	Manganese	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
43881	4	<2	<2	11	98	<2	X	5	<2	<2	X	17	X	X	X	X	X	X	X	X

Contaminants					Physical Properties								
Sample ID	Fuel	Soot	Water	Glycol	Nitration	TBN	Oxidation	V40C	V100C	Vindex	V40C Limit	V100C Limit	Visc Mode
43881	X	X	0.1	-	X	X	2.0	101	10.9	90	86 - 116	9.3 - 12.5	C

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Component Description:							

Sample ID	Date Taken	Hours on Component	Hours on Oil	Oil Weight	Oil Brand	Oil Type	Oil Changed	Date Analyzed	User Sample ID
43882	5/9/2023	1099	100	SAE 30	UNKNOWN	UNKNOWN	No	5/9/2023	
GEAR UNIT WEAR RATES NORMAL. SAMPLE APPEARS FREE OF EXTERNAL CONTAMINATION. ANALYSIS INDICATES PROPER PERFORMANCE OF THE LUBRICANT AND UNIT.									
Comments									

Wear Metals(ppm)							Contaminant Metals (ppm)			Multi-Source Metals (ppm)					Additives (ppm)					
Sample ID	Iron	Chromium	Aluminum	Copper	Lead	Tin	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Nickel	Manganese	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
43882	<2	<2	<2	6	87	<2	X	3	<2	<2	X	13	X	X	X	X	X	X	X	X

Contaminants					Physical Properties								
Sample ID	Fuel	Soot	Water	Glycol	Nitration	TBN	Oxidation	V40C	V100C	Vindex	V40C Limit	V100C Limit	Visc Mode
43882	X	X	<0.1	-	X	X	<2.0	101	10.9	91	86 - 116	9.3 - 12.5	C

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