



SCARANO MARINE 1218 SW QST AVE FORT LAUDERDALE FL 33315 Phone: Email: Fax: - - -	Machine ID: MINE SET Machine Year : NA	Component ID: SGM32DGSD Component Make: KOHLER Component Model: 28 EFOZD Component Year: NA Component Type : DIESEL ENGINE Component Location: PORT GENERATOR Sump Capacity: 5 Quarts	<div> MOTORCHECK LAB 2000 N FLORIDA MANGO RD UNIT 104 WEST PALM BEACH FL 33409 561-684-7799</div>
	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
5978	8/4/2025	306	100	15W40	UNKNOWN	UNKNOWN	No	8/4/2025	
Comments	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
5978	24	<2	<2	35	<2	<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
5978	-	0.2	>0.1	-	>2.0	8.6	13.5	113	14.6	133	92 - 124	12.5 - 16.3	C

SCARANO MARINE 1218 SW QST AVE FORT LAUDERDALE FL 33315 Phone: Email: Fax: - - -	Machine ID: MINE SET Machine Year : NA	Component ID: SGM32DG9F Component Make: KOHLER Component Model: 28 EFOZD Component Year: NA Component Type : DIESEL ENGINE Component Location: STARBOARD GENERATOR Sump Capacity: 5 Quarts	<div> MOTORCHECK LAB 2000 N FLORIDA MANGO RD UNIT 104 WEST PALM BEACH FL 33409 561-684-7799</div>
	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
5979	8/4/2025	4144	100	15W40	UNKNOWN	UNKNOWN	No	8/4/2025	
Comments	ALL ENGINE WEAR RATES NORMAL. 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
5979	15	<2	<2	29	<2	<2	X	7	<2	<2	X	18	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
5979	-	0.2	>0.1	-	>2.0	8.6	13.4	113	14.6	133	92 - 124	12.5 - 16.3	C

SCARANO MARINE 1218 SW QST AVE FORT LAUDERDALE FL 33315 Phone: Email: Fax: - - -	Machine ID: MINE SET Machine Year : NA	Component ID: 595100369 Component Make: MTU Component Model: 16V2000 M96 Component Year: NA Component Type : DIESEL ENGINE Component Location: PORT MAIN Sump Capacity: 5 Quarts	<div> MOTORCHECK LAB 2000 N FLORIDA MANGO RD UNIT 104 WEST PALM BEACH FL 33409 561-684-7799</div>
	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
5980	8/4/2025	1546	100	15W40	UNKNOWN	UNKNOWN	No	8/4/2025	
Comments	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
5980	36	>2	3	40	>2	>2	X	5	<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
5980	-	0.3	>0.1	-	>2.0	9.0	11.0	112	14.6	134	92 - 124	12.5 - 16.3	C

SCARANO MARINE 1218 SW QST AVE FORT LAUDERDALE FL 33315 Phone: Email: Fax: - - -	Machine ID: MINE SET Machine Year : NA	Component ID: 595100226 Component Make: MTU Component Model: 16V2000 M96L Component Year: NA Component Type : DIESEL ENGINE Component Location: STARBOARD MAIN Sump Capacity: 5 Quarts	<div> MOTORCHECK LAB 2000 N FLORIDA MANGO RD UNIT 104 WEST PALM BEACH FL 33409 561-684-7799</div>
	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
5981	8/4/2025	1582	100	15W40	UNKNOWN	UNKNOWN	No	8/4/2025	
Comments	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
5981	24	<2	<2	34	<2	<2	X	3	<2	<2	X	9	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
5981	-	0.4	>0.1	-	>2.0	9.5	4.9	110	14.4	134	92 - 124	12.5 - 16.3	C

SCARANO MARINE 1218 SW QST AVE FORT LAUDERDALE FL 33315 Phone: Email: Fax: - - -	Machine ID: MINE SET Machine Year : NA	Component ID: 50037778 Component Make: ZF Component Model: GENERAL Component Year: NA Component Type : GEARBOX Component Location: PORT Sump Capacity: 5 Quarts	<div> MOTORCHECK LAB 2000 N FLORIDA MANGO RD UNIT 104 WEST PALM BEACH FL 33409 561-684-7799</div>
	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
5982	8/4/2025	1546	100	SAE 30	UNKNOWN	UNKNOWN	No	8/4/2025	
Comments	GEAR UNIT WEAR RATES NORMAL. 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
5982	8	3	<2	91	4	5	X	3	<2	>2	X	58	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
5982	X	X	>0.1	X	X	X	3.5	102	10.9	90	86 - 116	9.3 - 12.5	C

SCARANO MARINE 1218 SW QST AVE FORT LAUDERDALE FL 33315 Phone: Email: Fax: - - -	Machine ID: MINE SET Machine Year : NA	Component ID: 5003777 Component Make: ZF Component Model: GENERAL Component Year: NA Component Type : GEARBOX Component Location: STARBOARD Sump Capacity: 5 Quarts	<div> MOTORCHECK LAB 2000 N FLORIDA MANGO RD UNIT 104 WEST PALM BEACH FL 33409 561-684-7799</div>
	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
5983	8/4/2025	1582	100	SAE 30	UNKNOWN	UNKNOWN	No	8/4/2025	
Comments	GEAR UNIT WEAR RATES NORMAL. 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
5983	5	2	<2	56	<2	<2	X	3	<2	<2	X	40	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
5983	X	X	>0.1	X	X	X	<2.0	101	10.9	91	86 - 116	9.3 - 12.5	C