DIESEL SERVICES OF AMERICA

Phone:

Email:

Fax: ___-___-____

Machine ID: WEGU THE GREAT

Machine Year : NA

Component Description:

Component ID: L210011482

Component Make: ONAN

Component Model: 13.5 MDK

Component Year: NA

Component Type : DIESEL ENGINE

Component Location: GENERATOR

Sump Capacity: 5 Quarts

M✓C

MOTORCHECK LAB

2000 N FLORIDA MANGO RD 104
WEST PALM BEACH FL 33409
561-684-7799

Sample ID	Date Taken	Hours on Component	Hours on Oil	Oil Weight	Oil Brand	Oil Type	Oil Changed	Date Analyzed	User Sample ID
41456	11/1/2026	370	100	15W40	UNKNOWN	UNKNOWN	No	11/1/2026	
Comments	DIRT CONTENT HIGH. RING WEAR INDICATED. POSSIBLY DUE TO THE PRESENCE OF ABRASIVE DIRT PARTICLES. CHECK AIR INDUCTION SYSTEM AND ALL DIRT ACCESS POINTS. ADVISE USE OF ADDITIONAL DIAGNOSTIC TOOLS TO DETERMINE COURSE OF CORRECTIVE ACTION.								

	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
41456	<2	14	<2	<2	<2	<2	X	152	<2	<2	X	19	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
41456	-	<0.1	<0.1	-	<2.0	9.4	2.4	109	14.4	135	92 - 124	12.5 - 16.3	C

ABNORMAL | SEVERE | D = DETECTED | - = NOT DETECTED | X = NOT TESTED / NOT APPLICABLE | NA = NOT AVAILABLE | C = CALCULATED | M = MEASURED

DIESEL SERVICES OF AMERICA **Phone:** **Email:** **Fax:** ___-___-____	**Machine ID:** WEGU THE GREAT **Machine Year :** NA **Component Description:**	**Component ID:** 20132184447 **Component Make:** VOLVO PENTA **Component Model:** D13 **Component Year:** NA **Component Type :** DIESEL ENGINE **Component Location:** PT MAIN **Sump Capacity:** 5 Quarts	M✓C **MOTORCHECK LAB** **2000 N FLORIDA MANGO RD 104** **WEST PALM BEACH FL 33409** **561-684-7799**

Sample ID	Date Taken	Hours on Component	Hours on Oil	Oil Weight	Oil Brand	Oil Type	Oil Changed	Date Analyzed	User Sample ID
41457	11/1/2026	86	86	15W40	VOLVO	UNKNOWN	No	11/1/2026	
Comments	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
41457	<2	13	<2	<2	<2	<2	X	<2	<2	<2	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
41457	-	<0.1	<0.1	-	4.0	8.3	3.8	110	14.4	134	92 - 124	12.5 - 16.3	C

ABNORMAL SEVERE D = DETECTED - = NOT DETECTED X = NOT TESTED / NOT APPLICABLE NA = NOT AVAILABLE C = CALCULATED M = MEASURED

DIESEL SERVICES OF AMERICA

Phone:

Email:

Fax: ___-___-____

Machine ID: WEGU THE GREAT

Machine Year : NA

Component Description:

Component ID: 20132184524

Component Make: VOLVO PENTA

Component Model: D13

Component Year: NA

Component Type : DIESEL ENGINE

Component Location: STARBOARD MAIN

Sump Capacity: 5 Quarts

M✓C

MOTORCHECK LAB

2000 N FLORIDA MANGO RD 104
WEST PALM BEACH FL 33409
561-684-7799

Sample ID	Date Taken	Hours on Component	Hours on Oil	Oil Weight	Oil Brand	Oil Type	Oil Changed	Date Analyzed	User Sample ID
41458	11/1/2026	86	86	15W40	VOLVO	UNKNOWN	No	11/1/2026	
Comments	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
41458	<2	10	<2	167	<2	<2	X	<2	<2	<2	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
41458	-	<0.1	<0.1	-	5.4	8.3	<2.0	109	13.6	122	92 - 124	12.5 - 16.3	C

ABNORMAL SEVERE D = DETECTED - = NOT DETECTED X = NOT TESTED / NOT APPLICABLE NA = NOT AVAILABLE C = CALCULATED M = MEASURED

DIESEL SERVICES OF AMERICA **Phone:** **Email:** **Fax:** ___-___-____	**Machine ID:** WEGU THE GREAT **Machine Year :** NA **Component Description:**	**Component ID:** 30091975 **Component Make:** ZF **Component Model:** 500 11V **Component Year:** NA **Component Type :** GEARBOX **Component Location:** PORT **Sump Capacity:** 5 Quarts	M✓C **MOTORCHECK LAB** **2000 N FLORIDA MANGO RD 104** **WEST PALM BEACH FL 33409** **561-684-7799**

Sample ID	Date Taken	Hours on Component	Hours on Oil	Oil Weight	Oil Brand	Oil Type	Oil Changed	Date Analyzed	User Sample ID
41459	11/1/2026	86	86	SAE 30	UNKNOWN	UNKNOWN	No	11/1/2026	
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
41459	<2	9	<2	<2	<2	<2	X	<2	<2	<2	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
41459	X	X	<0.1	-	X	X	<2.0	101	10.9	91	86 - 116	9.3 - 12.5	C

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DIESEL SERVICES OF AMERICA

Phone:

Email:

Fax: ___-___-____

Machine ID: WEGU THE GREAT

Machine Year : NA

Component Description:

Component ID: 30082418

Component Make: ZF

Component Model: 500-11V

Component Year: NA

Component Type : GEARBOX

Component Location: STARBOARD

Sump Capacity: 5 Quarts

M✓C

MOTORCHECK LAB

2000 N FLORIDA MANGO RD 104
WEST PALM BEACH FL 33409
561-684-7799

Sample ID	Date Taken	Hours on Component	Hours on Oil	Oil Weight	Oil Brand	Oil Type	Oil Changed	Date Analyzed	User Sample ID
41460	11/1/2026	86	86	SAE 30	UNKNOWN	UNKNOWN	No	11/1/2026	
Comments	SUSPECT CLUTCH/DISC PACK DAMAGE. SAMPLE APPEARS FREE OF EXTERNAL CONTAMINATION. DRAIN OIL FROM UNIT IF NOT ALREADY DONE.								

	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
41460	<2	9	<2	279	<2	<2	X	<2	<2	<2	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
41460	X	X	<0.1	-	X	X	<2.0	101	10.9	91	86 - 116	9.3 - 12.5	C

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