

# **OIL ANALYSIS REPORT**

# Sample Rating Trend

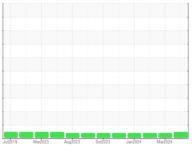
# **NORMAL**



**OKLAHOMA/102/TR - TANKS** 05.78 TANKS [OKLAHOMA^102^TR - TANKS]

**Diesel Engine** 

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)





## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

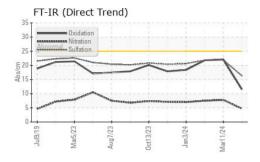
## **Fluid Condition**

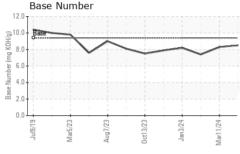
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

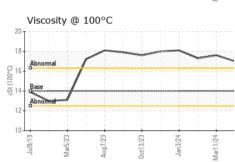
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		WC0935114	WC0908771	WC0821740		
Sample Date		Client Info		01 May 2024	11 Mar 2024	16 Feb 2024		
Machine Age	hrs	Client Info		16800	16400	16200		
Oil Age	hrs	Client Info		200	200	200		
Oil Changed		Client Info		Changed	Changed	Changed		
Sample Status				NORMAL	ATTENTION	ATTENTION		
CONTAMINATION		method	limit/base	current	history1	history2		
Fuel		WC Method	>5	<1.0	<1.0	<1.0		
Water		WC Method	>0.2	NEG	NEG	NEG		
Glycol		WC Method		NEG	NEG	NEG		
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>100	6	6	5		
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1		
Nickel	ppm	ASTM D5185m	>4	0	0	<1		
Titanium	ppm	ASTM D5185m		<1	0	<1		
Silver	ppm	ASTM D5185m	>3	<1	0	0		
Aluminum	ppm	ASTM D5185m	>20	2	2	2		
Lead	ppm	ASTM D5185m	>40	<1	0	<1		
Copper	ppm	ASTM D5185m		<1	0	<1		
Tin	ppm	ASTM D5185m		<1	0	<1		
Vanadium	ppm	ASTM D5185m		<1	0	<1		
Cadmium	ppm	ASTM D5185m		0	0	<1		
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	0	31	23	22		
Barium	ppm	ASTM D5185m		0	0	1		
Molybdenum	ppm	ASTM D5185m	0	36	35	33		
Manganese	ppm	ASTM D5185m		0	0	1		
Magnesium	ppm	ASTM D5185m	0	399	369	340		
Calcium	ppm	ASTM D5185m		1366	1243	1128		
Phosphorus	ppm	ASTM D5185m		712	569	523		
Zinc	ppm	ASTM D5185m		783	678	653		
Sulfur	ppm	ASTM D5185m		2397	2033	1953		
CONTAMINANTS method limit/base current history1 history								
Silicon	ppm	ASTM D5185m	>25	4	4	4		
Sodium	ppm	ASTM D5185m	-	11	18	23		
Potassium	ppm	ASTM D5185m	>20	3	2	2		
INFRA-RED		method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844	>3	0	0.4	0.2		
Nitration	Abs/cm	*ASTM D7624		4.7	7.8	7.5		
Sulfation	Abs/.1mm	*ASTM D7415		16.3	21.9	21.8		
FLUID DEGRADATION method limit/base current history1 history2								
Oxidation	Abs/.1mm	*ASTM D7414	>25	11.5	22.1	21.8		
ΟλΙΔαιίΟΙΙ	Who!!!!!!!	AO 11VI D/414	220	11.5	۷۷.۱	∠1.0		
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.5	8.3	7.4		

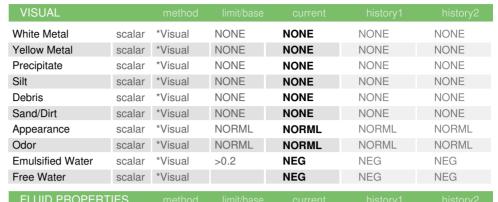


## **OIL ANALYSIS REPORT**



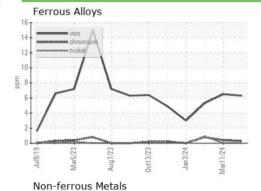




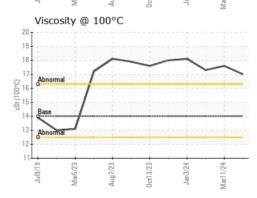


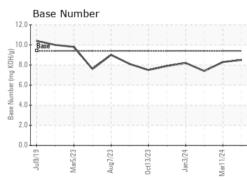
TEGID I HOI EITHEG							
Visc @ 100°C	cSt	ASTM D445	14	17.0	17.6	17.3	

## **GRAPHS**













Certificate 12367

Laboratory Sample No. Lab Number : 06185464

: WC0935114 Unique Number : 11036790

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

: 20 May 2024 Diagnosed

: 23 May 2024 : 23 May 2024 - Jonathan Hester

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS US 67213

Contact: DOUG KING doug.king@sherwood.net T: (316)617-3161

Test Package : CONST ( Additional Tests: TBN ) To discuss this sample report, contact Customer Service at 1-800-237-1369.  $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: x: