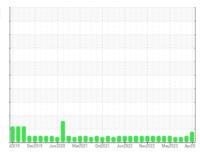


# **OIL ANALYSIS REPORT**

# OKLAHOMA/102/EG - TRUCK-ON-HWY-HEAVY DUTY 05.59 [OKLAHOMA^102^EG - TRUCK-ON-HWY-HEAVY DUTY]

**Diesel Engine** 

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)



Sample Rating Trend



### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

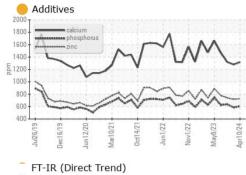
### Fluid Condition

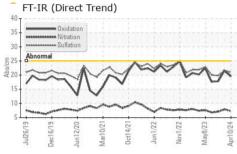
The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

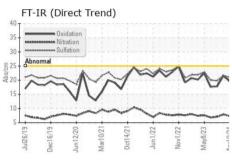
AL)		IIZUT9 Deczu	19 Jun2020 Mar2021	UGIZUZI JUNZUZZ NOVZUZZ MI	nyzuza Aprzu	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0908848	WC0908767	WC0834009
Sample Date		Client Info		10 Apr 2024	11 Mar 2024	13 Oct 2023
Machine Age	mls	Client Info		9830	9627	162300
Oil Age	mls	Client Info		200	200	200
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	ATTENTION
CONTAMINATIO	N	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	7	10	5
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	3	3	2
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	1	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	40	40	32
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	37	34	36
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	0	391	383	381
Calcium	ppm	ASTM D5185m		1315	1279	1321
Phosphorus	ppm	ASTM D5185m		<b>603</b>	587	637
Zinc	ppm	ASTM D5185m		727	717	741
Sulfur	ppm	ASTM D5185m		2148	2117	2827
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	4
Sodium	ppm	ASTM D5185m		2	3	2
Potassium	ppm	ASTM D5185m	>20	3	2	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.3	7.9	7.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.0	21.6	19.8
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	21.6	17.8
Base Number (BN)	mg KOH/g	ASTM D2896		8.9	8.4	8.1
- ( )	0 - 3					

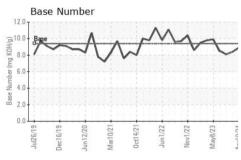


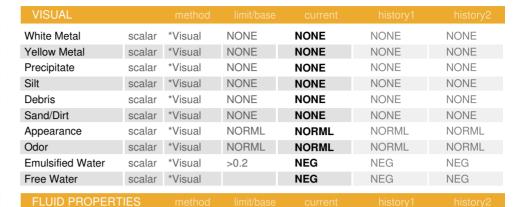
# **OIL ANALYSIS REPORT**









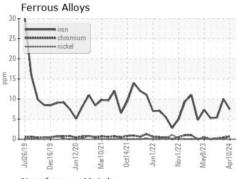


**16.9** 

16.4

17.4

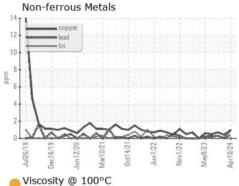
## Visc @ 100°C **GRAPHS**

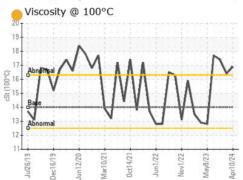


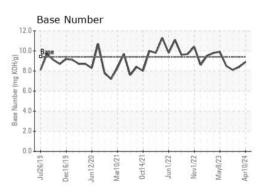
cSt

ASTM D445

14











Certificate 12367

Laboratory Sample No.

Lab Number : 06156663 Unique Number : 10992086

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0908848

Received **Tested** Diagnosed

: 22 Apr 2024 : 23 Apr 2024

: 24 Apr 2024 - Sean Felton

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

Test Package : CONST ( Additional Tests: TBN ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Contact: DOUG KING

T: (316)617-3161

doug.king@sherwood.net

F: x: