

PROBLEM SUMMARY

Area OKLAHOMA/3/EG - OTHER SERVICE Machine Id 96.104L [OKLAHOMA^3^EG - OTHER SERVICE] Component

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

COMPONENT CONDITION SUMMARY













RECOMMENDATION

We advise that you check for faulty combustion, plugged air filters, or aftercoolers. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	NORMAL	NORMAL		
Iron	ppm	ASTM D5185m	>100	<u> </u>	37	43		
Aluminum	ppm	ASTM D5185m	>20	<u> </u>	11	6		
Silicon	ppm	ASTM D5185m	>25	<u> </u>	8	5		
Soot %	%	*ASTM D7844	>3	4 .3	1.2	1.5		

Customer Id: SHEWIC Sample No.: WC0857228 Lab Number: 05966090 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED AC	ECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description		
Change Fluid			?	Oil and filter change at the time of sampling has been noted.		
Change Filter			?	Oil and filter change at the time of sampling has been noted.		
Check Combustion			?	We advise that you check for faulty combustion, plugged air filters, or aftercoolers.		

HISTORICAL DIAGNOSIS



17 Apr 2023 Diag: Wes Davis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



view report

14 Sep 2021 Diag: Wes Davis

NORMAL

 \checkmark

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

10 Jun 2021 Diag: Wes Davis



Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Area OKLAHOMA/3/EG - OTHER SERVICE Machine Id 96.104L [OKLAHOMA^3^EG - OTHER SERVICE]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for faulty combustion, plugged air filters, or aftercoolers. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

📥 Wear

Piston, ring and cylinder wear is indicated.

Contamination

Elemental level of silicon (Si) above normal. There is an abnormal amount of solids and carbon present in the oil.

Fluid Condition

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



SAMPLE INFORM		method	limit/base	current	nistory i	nistory2
Sample Number		Client Info		WC0857228	WC0738508	WC0616638
Sample Date		Client Info		27 Sep 2023	17 Apr 2023	14 Sep 2021
Machine Age	hrs	Client Info		1700	1571	1197
Oil Age	hrs	Client Info		1571	1197	127
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAI	NORMAL	NORMAL
Sample Status				ABROTINAL	NOTIWITE	NOTIMIZE
CONTAMINATIO	N	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	maa	ASTM D5185m	>100	9 1	37	43
Chromium	maa	ASTM D5185m	>20	6	2	1
Nickel	maa	ASTM D5185m	>4	<1	0	0
Titanium	maa	ASTM D5185m		<1	0	<1
Silver	nom	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<u> </u>	11	6
Lead	ppm	ASTM D5185m	>40	1	0	<1
Copper	ppm	ASTM D5185m	>330	7	2	2
Tin	nnm	ASTM D5185m	>15	~1	0	
Antimony	nnm	ASTM D5185m	210			0
Vanadium	nnm	ASTM D5185m			0	0
Cadmium	nnm	ASTM D5185m		0	0	0
	ppm	AUTIVI DUTUUIII		U	U	Ū
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	55	53	65
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	44	35	27
Manganese	ppm	ASTM D5185m		2	1	<1
Magnesium	ppm	ASTM D5185m	0	535	439	578
Calcium	ppm	ASTM D5185m		1741	1474	1489
Phosphorus	ppm	ASTM D5185m		778	662	748
Zinc	ppm	ASTM D5185m		950	796	882
Sulfur	ppm	ASTM D5185m		2581	2364	2339
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<u> </u>	8	5
Sodium	ppm	ASTM D5185m		8	2	3
Potassium	ppm	ASTM D5185m	>20	4	0	0
Fuel	%	ASTM D3524	>5	<1.0	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	4.3	1.2	1.5
Nitration	Abs/cm	*ASTM D7624	>20	12.7	6.9	8.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	29.6	23.1	22.6
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Ovidation	Abe/1mm	*ASTM D7/1/	<u>_</u> 25	21 5	10/	16.8
Base Number (BN)		ASTM D2806	9.1	21.5	117	11
Dase Multiber (DN)	ing KOn/g	A01101D2030	0.4	10.5	11.7	1.1



OIL ANALYSIS REPORT



Submitted By: GARRETT ADAMS