

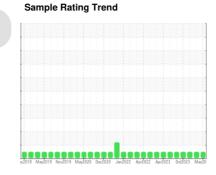
OIL ANALYSIS REPORT



OKLAHOMA/1151/EG - LOADER
46.87L [OKLAHOMA^1151^EG - LOADER]

Diesel Engine

MOBIL DELVAC 1300 SUPER 15W40 (--- GAL)







DIAGNOSIS

Recommendation

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 oil

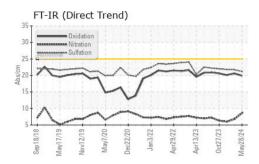
Fluid Condition

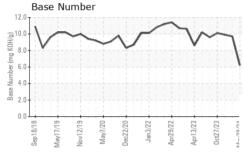
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

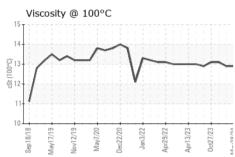
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0908862	WC0886926	WC0848851
Sample Date		Client Info		28 May 2024	13 Mar 2024	18 Dec 2023
Machine Age	hrs	Client Info		10533	10197	9796
Oil Age	hrs	Client Info		2777	250	260
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	1	method	limit/base	current	history1	history2
Fuel		WC Method		<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		8	10	4
Chromium	ppm	ASTM D5185m		0	<1	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		2	4	2
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		<1	<1	0
Tin	ppm	ASTM D5185m		0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		53	57	58
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		39	44	39
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		517	545	514
Calcium	ppm	ASTM D5185m		1756	1813	1618
Phosphorus	ppm	ASTM D5185m		783	935	786
Zinc	ppm	ASTM D5185m		943	1027	920
Sulfur	ppm	ASTM D5185m		3005	3141	2542
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		4	5	3
Sodium	ppm	ASTM D5185m		2	28	2
Potassium	ppm	ASTM D5185m		<1	8	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.2	0.2	0.1
	Abs/cm	*ASTM D7624		8.6	6.8	6.0
Nitration				21.2	21.7	21.8
Nitration Sulfation	Abs/.1mm	*ASTM D7415		21.2	∠1.7	21.0
		*ASTM D7415 method	limit/base	current	history1	
Sulfation			limit/base			history2



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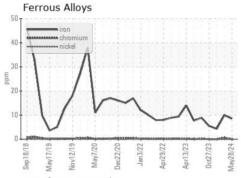


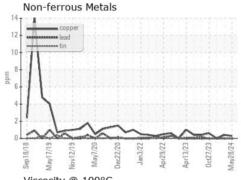


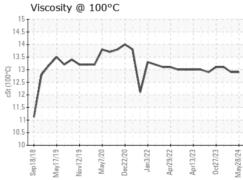
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

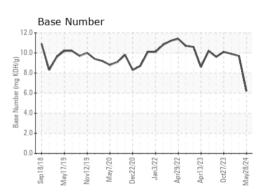
FLUID PROPER	HES	method		history1	history2
Visc @ 100°C	cSt	ASTM D445	12.9	12.9	13.1

GRAPHS













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0908862 Lab Number : 06199955

Unique Number : 11062078

Received **Tested** Diagnosed

: 05 Jun 2024 : 06 Jun 2024

: 06 Jun 2024 - Wes Davis

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS US 67213 Contact: DOUG KING

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

doug.king@sherwood.net T: (316)617-3161 F: x:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: SHEWIC [WUSCAR] 06199955 (Generated: 06/07/2024 04:23:42) Rev: 1

Submitted By: GARRETT ADAMS