

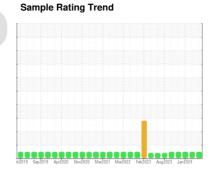
OIL ANALYSIS REPORT



OKLAHOMA/3/EG - TRUCK-OFF-HWY-HEAVY HAUL 69.11 [OKLAHOMA^3^EG - TRUCK-OFF-HWY-HEAVY HAUL]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)





NORMAL

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

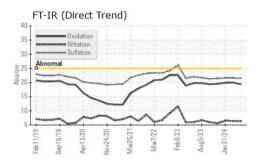
Fluid Condition

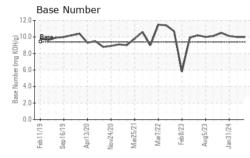
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

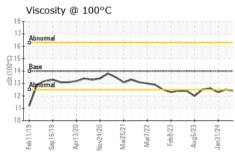
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0935123	WC0914525	WC0874012
Sample Date		Client Info		05 Jun 2024	27 Mar 2024	31 Jan 2024
Machine Age	hrs	Client Info		11090	10727	10325
Oil Age	hrs	Client Info		0	402	9940
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	J	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	4	5	2
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	1
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm		>330	2	3	3
Tin	ppm	ASTM D5185m	>15	- <1	1	<1
Vanadium	ppm	ASTM D5185m	>10	<1	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES	1-1-	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	59	53	53
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	40	41	38
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium			0	465	491	493
Calcium	ppm	ASTM D5185m	U	1615	1644	1621
		ASTM D5185m		751	744	760
Phosphorus	ppm				905	883
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m		870 2565	2550	2474
CONTAMINANTS	рріп	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		4	5	4
Sodium	ppm	ASTM D5185m	725	4 <1	2	3
Potassium	ppm	ASTM D5185m	>20	2	2	<1
INFRA-RED	рріп	method	limit/base	current	history1	history2
	0/					
Soot %	% A b a /am	*ASTM D7844	>3	0.2	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.3	6.4	6.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.5	21.6	21.6
FILLID DEODADA	TION	method	limit/base		history1	history2
FLUID DEGRADA	TION	method	IIIIII Dasc	Current	Thistory	111010172
PLUID DEGRADA Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414	>25	19.3	20.0	19.9

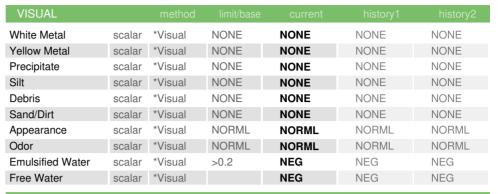


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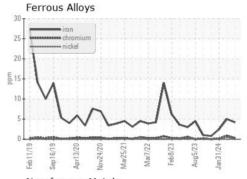


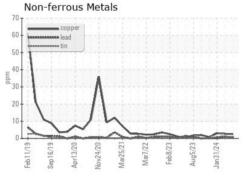


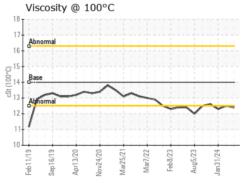


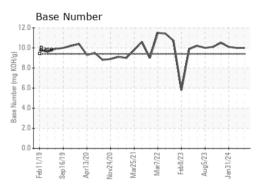


FLUID PROPER	HES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	14	12.4	12.5	12.3













Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0935123 Lab Number : 06207588

Received : 12 Jun 2024 **Tested** Diagnosed

: 13 Jun 2024 : 13 Jun 2024 - Wes Davis

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

Contact: DOUG KING

T: (316)617-3161

doug.king@sherwood.net

Unique Number : 11075049 Test Package : CONST (Additional Tests: TBN) Certificate 12367 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.

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

F: x: