

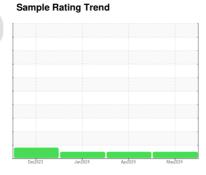
OIL ANALYSIS REPORT



OKLAHOMA/3/EG - TRUCK-OFF-HWY-HEAVY HAUL 69.03 [OKLAHOMA^3^EG - TRUCK-OFF-HWY-HEAVY HAUL]

Diesel Engine

MOBIL 15W40 (--- 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

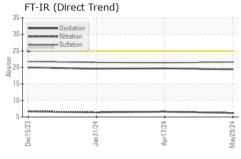
Fluid Condition

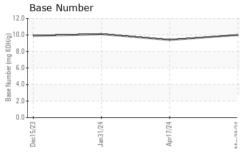
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

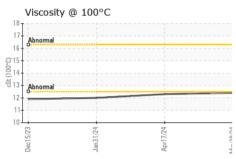
CAMPLE INCOR			11		la tara and an	
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0908874	WC0914454	WC0874010
Sample Date		Client Info		29 May 2024	17 Apr 2024	31 Jan 2024
Machine Age	hrs	Client Info		2269	1943	1448
Oil Age	hrs	Client Info		326	1448	1050
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	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	11	8
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	2	2
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	<1	1	2
Tin	ppm	ASTM D5185m	>15	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		58	49	49
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		38	42	36
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		478	537	467
Calcium	ppm	ASTM D5185m		1782	1847	1539
Phosphorus	ppm	ASTM D5185m		765	801	711
Zinc	ppm	ASTM D5185m		934	959	839
Sulfur	ppm	ASTM D5185m		2942	3209	2315
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	6
Sodium	ppm	ASTM D5185m	>118	2	3	4
Potassium	ppm	ASTM D5185m	>20	0	0	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	6.2	6.6	6.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6	21.4	21.5
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.4	19.7	19.6
CAIGGIOIT	ווווווווווווווווווווווווווווווווווווווו	70 HW D/414	120	13.7	10.7	10.0
Base Number (BN)	mg KOH/g	ASTM D2896		10.0	9.4	10.1

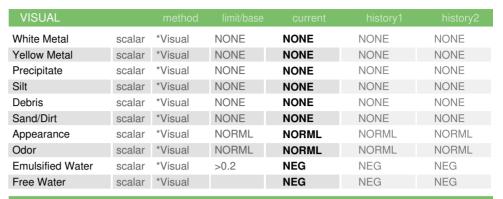


OIL ANALYSIS REPORT



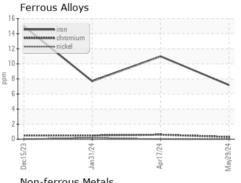


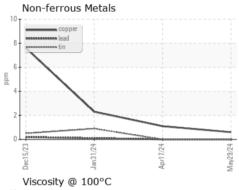


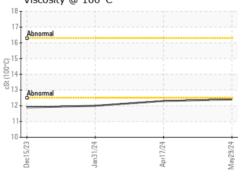


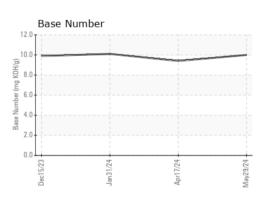
FLUID PROPERTIES		method			history2	
Visc @ 100°C	cSt	ASTM D445	12.4	12.3	12.0	

GRAPHS













Certificate 12367

Laboratory Sample No.

: WC0908874 Lab Number : 06199940 Unique Number : 11062063

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

: 05 Jun 2024 **Tested** : 06 Jun 2024 Diagnosed

: 06 Jun 2024 - Wes Davis

3219 WEST MAY ST WICHITA, KS US 67213 Contact: SHAWN SOUTH

shawn.south@sherwood.net

SHERWOOD CONSTRUCTION CO INC

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)

Report Id: SHEWIC [WUSCAR] 06199940 (Generated: 06/15/2024 02:41:31) Rev: 1

Submitted By: SHAWN SOUTH

T: x:

F: x: