

OIL ANALYSIS R

Potassium

ppm

ASTM D5185m >20

Area OKLAHOMA/105/EG - TRUCK-ON-HWY-HEA 08.108 [OKLAHOMA^105^EG - TRUCK-ON-HWY-HE

Diesel Engine

Fluic 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.

		Samn	le Bating Tre	nd			
YSIS REPO	RT	Sample Rating Trend			N	NORMAL	
HWY-HEAVY D N-HWY-HEAVY D AL) SAMPLE INFORM Sample Number Sample Date Machine Age Oil Age	UTY]	method Client Info Client Info Client Info Client Info	7 Jundol 8 Jundol 9 Aug limit/base	2013 Juli220 Fe3221 Nev2021 Current WC0935245 10 Jul 2024 11636 1520	history1 WC0834005 17 Aug 2023 10116 1053	history2 WC0741214 18 Nov 2022 9063 591	
Oil Age Oil Changed Sample Status	nis	Client Info		Changed NORMAL	Changed NORMAL	Changed ABNORMAL	
CONTAMINATION	I	method	limit/base	current	history1	history2	
Fuel Water Glycol		WC Method WC Method WC Method	>3.0 >0.2	<1.0 NEG NEG	<1.0 NEG NEG	<1.0 NEG NEG	
WEAR METALS		method	limit/base	current	history1	history2	
Iron Chromium Nickel Titanium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>90 >20 >2 >2	4 0 0 0	15 0 0 0	8 <1 1 0	
Silver Aluminum Lead	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>40	0 2 0	0 5 0 17	<1 4 1	
Copper Tin Vanadium Cadmium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>330 >15	0 0 0 0	0 <1 0	121 <1 0 0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0	53 0 40 0	24 0 45 <1	8 0 103 1	
Magnesium Calcium Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0	496 1807 779 905	489 1995 812 996	489 1701 738 924	
Sulfur	ppm	ASTM D5185m		2934	3219	2558	
CONTAMINANTS Silicon Sodium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base >25	current 4 3	history1 4 31	history2 7 ▲ 330	

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.2	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	6.2	8.7	9.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	21.9	24.3
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.7	20.1	23.3
Base Number (BN)	ma KOH/a	ASTM D2896	9.4	10.1	8.4	10.6

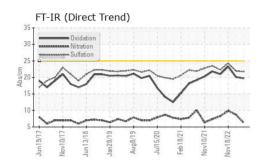
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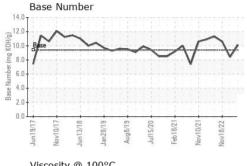
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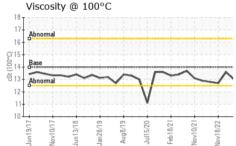
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OIL ANALYSIS REPORT

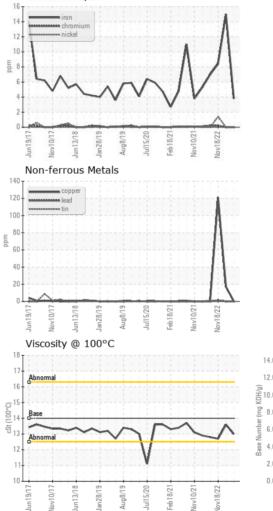


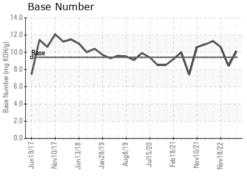




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14	13.0	13.6	12.7
CDADUS						

Ferrous Alloys





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 SHERWOOD CONSTRUCTION CO INC Sample No. : WC0935245 Received : 15 Jul 2024 3219 WEST MAY ST Lab Number : 06235713 Tested : 16 Jul 2024 WICHITA, KS Unique Number : 11124547 Diagnosed : 16 Jul 2024 - Wes Davis US 67213 Test Package : CONST (Additional Tests: TBN) Contact: DOUG KING Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. doug.king@sherwood.net * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (316)617-3161 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: x:

Report Id: SHEWIC [WUSCAR] 06235713 (Generated: 07/16/2024 10:28:28) Rev: 1

Submitted By: SHAWN SOUTH

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