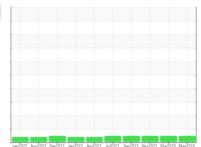


OIL ANALYSIS REPORT

Sample Rating Trend









OKLAHOMA/102 45.62L [OKLAHOMA^102]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (5 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

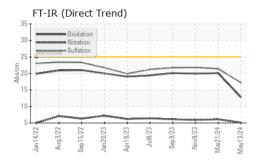
Fluid Condition

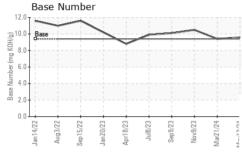
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

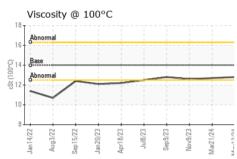
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0857494	WC0914509	WC0873940
Sample Date		Client Info		13 May 2024	21 Mar 2024	09 Nov 2023
Machine Age	hrs	Client Info		2487	2305	2028
Oil Age	hrs	Client Info		2305	308	277
Oil Changed	0	Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	ı	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method	7 0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	5	8	6
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	<1	<1	0
Aluminum	ppm	ASTM D5185m	>25	3	5	4
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	<1	1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	68	62	63
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	39	41	39
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	478	485	510
Calcium	ppm	ASTM D5185m		1644	1670	1745
Phosphorus	ppm	ASTM D5185m		852	753	804
Zinc	ppm	ASTM D5185m		911	907	958
Sulfur	ppm	ASTM D5185m		2922	2631	2738
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	4
Sodium	ppm	ASTM D5185m		2	2	2
Potassium	ppm	ASTM D5185m	>20	2	2	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.1	6.1	5.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.2	21.4	21.8
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
FLUID DEGRADA Oxidation	TION Abs/.1mm	method *ASTM D7414	limit/base >25	current 12.8	history1 20.1	history2 19.9
			>25		•	•



OIL ANALYSIS REPORT



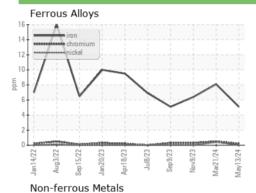


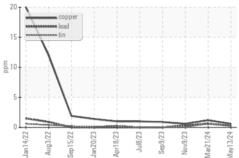


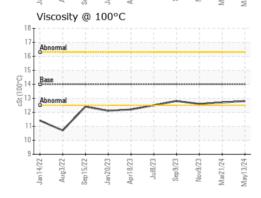
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

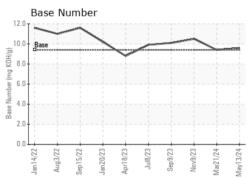
FLUID PROPERI	IES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	14	12.8	12.7	12.6

GRAPHS













Certificate 12367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No.

: WC0857494 Lab Number : 06185458 Unique Number : 11036784

Received **Tested**

: 20 May 2024 : 22 May 2024 Diagnosed : 22 May 2024 - Wes Davis Test Package : CONST (Additional Tests: TBN)

3219 WEST MAY ST WICHITA, KS

SHERWOOD CONSTRUCTION CO INC

US 67213 Contact: SHAWN SOUTH shawn.south@sherwood.net T: x:

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: