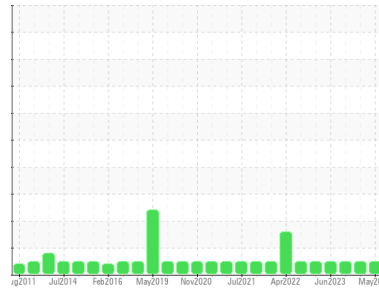




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

OKLAHOMA/102/EG - OTHER SERVICE

Machine Id

54.09L [OKLAHOMA^102^EG - OTHER SERVICE]

Component

Diesel Engine

Fluid

MOBIL DELVAC 1300 SUPER15W40 (--- 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 INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0914463	WC0864353	WC0778263
Sample Date	Client Info		09 May 2024	17 Jan 2024	25 Sep 2023
Machine Age	hrs	Client Info	1828	10997	1785
Oil Age	hrs	Client Info	43	10997	138
Oil Changed	Client Info		Changed	N/A	Changed
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	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	3	4	13
Chromium	ppm	ASTM D5185m	0	0	<1
Nickel	ppm	ASTM D5185m	0	0	<1
Titanium	ppm	ASTM D5185m	0	<1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m	<1	<1	3
Lead	ppm	ASTM D5185m	0	0	3
Copper	ppm	ASTM D5185m	0	<1	<1
Tin	ppm	ASTM D5185m	0	0	<1
Vanadium	ppm	ASTM D5185m	<1	<1	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	88	72	60
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	42	39	45
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m	549	495	500
Calcium	ppm	ASTM D5185m	1796	1669	1655
Phosphorus	ppm	ASTM D5185m	824	724	757
Zinc	ppm	ASTM D5185m	1004	888	923
Sulfur	ppm	ASTM D5185m	3229	2586	2898

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	5	5	9
Sodium	ppm	ASTM D5185m	1	2	2
Potassium	ppm	ASTM D5185m	<1	0	2

INFRA-RED

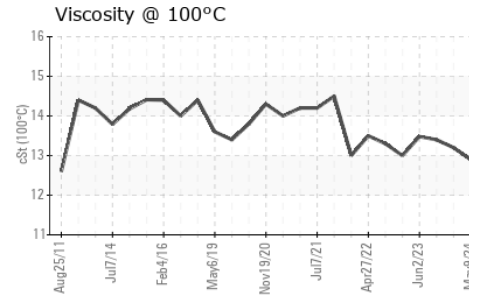
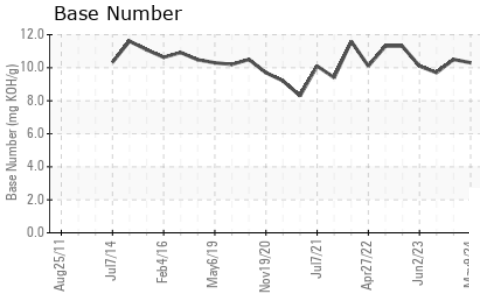
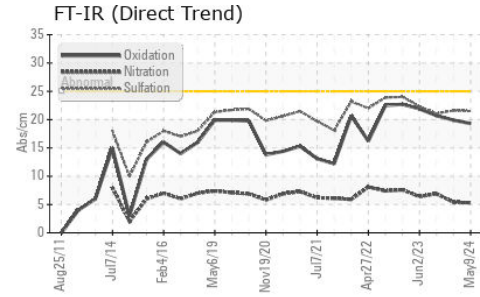
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	5.3	5.4	6.9
Sulfation	Abs/.1mm	*ASTM D7415	21.5	21.6	21.1

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	19.3	19.9	20.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	10.5	9.7



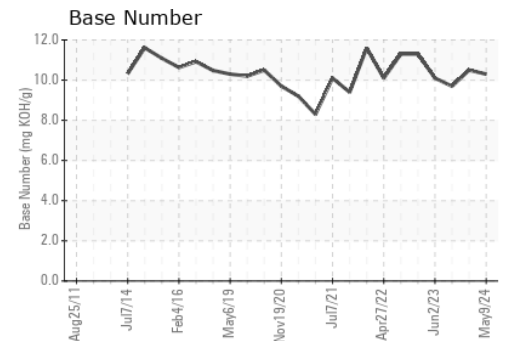
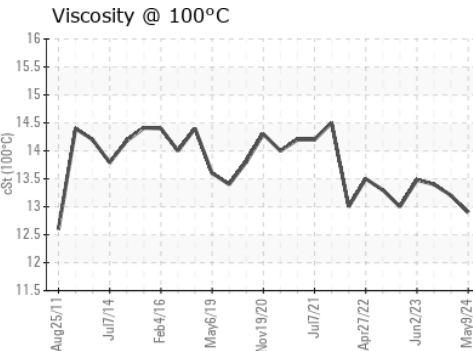
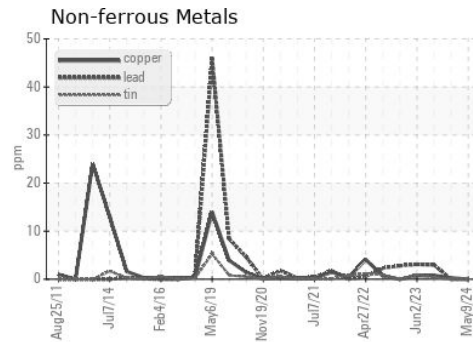
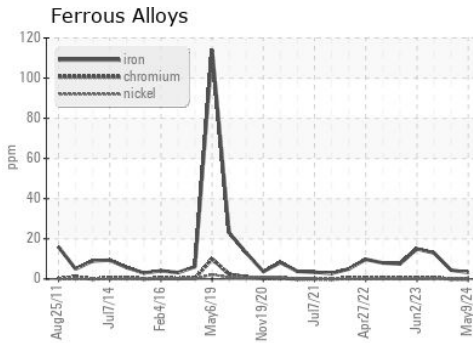
OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.9	13.2	13.4

GRAPHS



Certificate L2367

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

Sample No. : WC0914463

Lab Number : 06199943

Unique Number : 11062066

Test Package : CONST (Additional Tests: TBN)

Received : 05 Jun 2024

Tested : 06 Jun 2024

Diagnosed : 06 Jun 2024 - Wes Davis

SHERWOOD CONSTRUCTION CO INC

3219 WEST MAY ST

WICHITA, KS

US 67213

Contact: DOUG KING

doug.king@sherwood.net

T: (316)617-3161

F: 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)