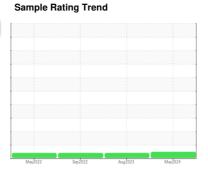


OIL ANALYSIS REPORT

Area
KANSAS/44
Machine Id 57.08L [KANSAS^44]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)





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

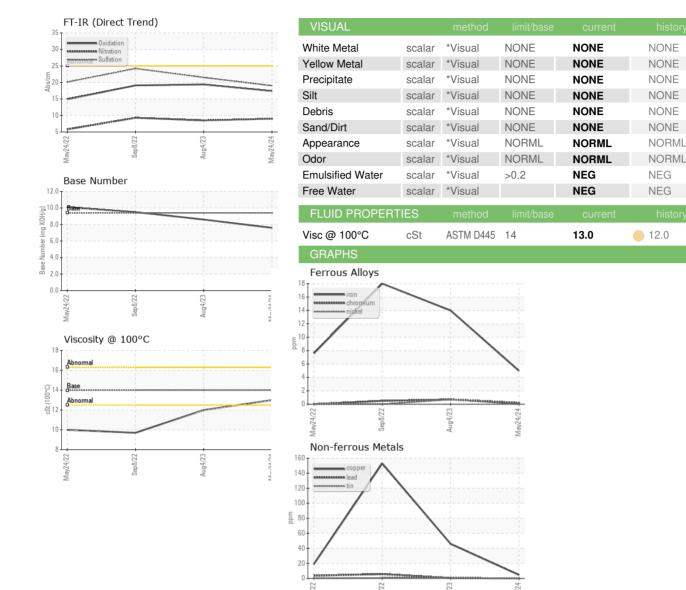
Fluid Condition

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

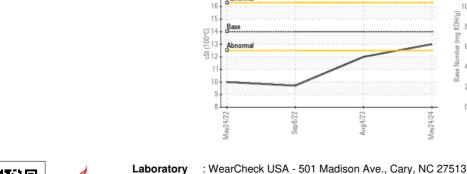
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0918354	WC0712136	WC0697765
Sample Date		Client Info		24 May 2024	04 Aug 2023	08 Sep 2022
Machine Age	hrs	Client Info		1090	527	283
Oil Age	hrs	Client Info		1090	244	283
Oil Changed	1113	Client Info		Changed	Changed	Changed
Sample Status		Oliciit iiilo		NORMAL	ATTENTION	ATTENTION
CONTAMINATION		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	5	14	18
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	3	7
Lead	ppm	ASTM D5185m	>40	0	<1	6
Copper	ppm	ASTM D5185m	>330	5	46	153
Tin	ppm	ASTM D5185m	>15	<1	1	<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	0	106	75	327
Barium	ppm	ASTM D5185m	0	0	1	4
Molybdenum	ppm	ASTM D5185m	0	100	90	246
Manganese	ppm	ASTM D5185m		0	2	4
Magnesium	ppm	ASTM D5185m	0	616	636	770
Calcium	ppm	ASTM D5185m		1326	1685	1418
Phosphorus	ppm	ASTM D5185m		791	832	877
Zinc	ppm	ASTM D5185m		918	1041	1067
Sulfur	ppm	ASTM D5185m		3454	3179	2965
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	5	8
Sodium	ppm	ASTM D5185m		<1	3	4
Potassium	ppm	ASTM D5185m	>20	2	1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	9.0	8.5	9.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	21.5	24.2
FLUID DEGRADATION method		limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.4	19.4	19.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	7.6	8.6	9.5

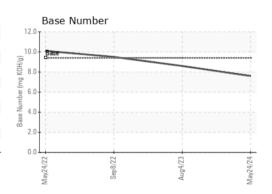


OIL ANALYSIS REPORT



Viscosity @ 100°C









Certificate 12367

Laboratory Sample No.

: WC0918354 Lab Number : 06204377 Unique Number : 11071838

Received **Tested** Diagnosed

: 10 Jun 2024 : 11 Jun 2024

: 11 Jun 2024 - Wes Davis

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS US 67213 Contact: RANDY ROBERTS

randy.roberts@sherwood.net

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

9.7

Test Package : CONST (Additional Tests: TBN) 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)

Report Id: SHEWIC [WUSCAR] 06204377 (Generated: 06/17/2024 13:43:21) Rev: 1

Submitted By: NOAH HANSON

T:

F: x: