

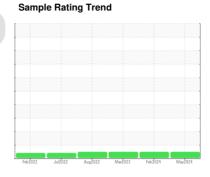
# **OIL ANALYSIS REPORT**



Area KANSAS/44 Machine Id 53.168L [KANSAS^44]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (3 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

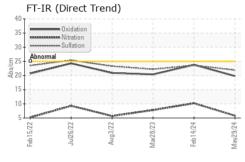
## **Fluid Condition**

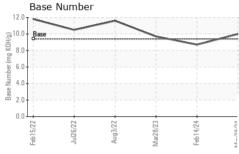
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

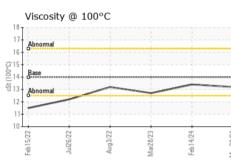
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0918067	WC0821568	WC0673488
Sample Date		Client Info		29 May 2024	14 Feb 2024	28 Mar 2023
Machine Age	hrs	Client Info		2218	1843	1354
Oil Age	hrs	Client Info		864	0	669
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	l	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	21	11
Chromium	ppm	ASTM D5185m	>20	<1	1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	3	4
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	<1	2	1
Tin	ppm	ASTM D5185m	>15	0	<1	0
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	62	33	49
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	37	46	42
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	465	616	606
Calcium	ppm	ASTM D5185m		1650	1819	1867
Phosphorus	ppm	ASTM D5185m		788	878	853
Zinc	ppm	ASTM D5185m		917	1102	1075
Sulfur	ppm	ASTM D5185m		2928	2685	3454
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	9	12
Sodium	ppm	ASTM D5185m		<1	5	2
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	5.8	10.2	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	23.6	22.2
	TION	method	limit/base	ourrant.	history1	history2
FLUID DEGRADA	HON	memou	IIIIII/Dase	current	HISTORY	HISTOLYZ
FLUID DEGRADA  Oxidation	Abs/.1mm	*ASTM D7414	>25	19.8	23.8	20.4

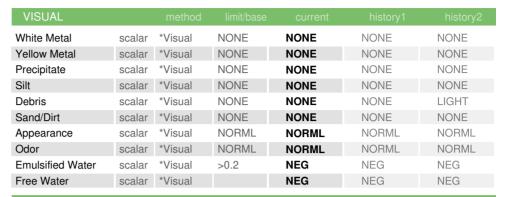


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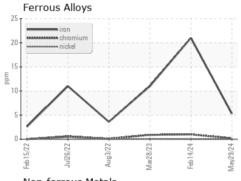


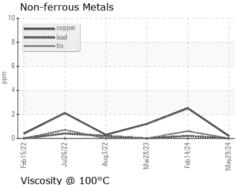


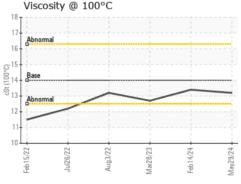


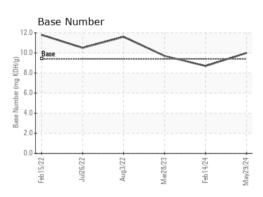


FLUID PROPER	TIES	method				history2
Visc @ 100°C	cSt	ASTM D445	14	13.2	13.4	12.7













Certificate 12367

Laboratory Sample No.

Lab Number : 06204381 Unique Number : 11071842

: WC0918067

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

: 10 Jun 2024 : 11 Jun 2024

: 11 Jun 2024 - Wes Davis

3219 WEST MAY ST WICHITA, KS US 67213

SHERWOOD CONSTRUCTION CO INC

Contact: RANDY ROBERTS randy.roberts@sherwood.net T:

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)

F: x: