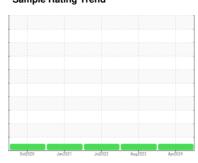


# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id
91083
Component
Diesel Engine

# MOBIL DELVAC 1300 SUPER15W40 (10 GAL)

### 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.

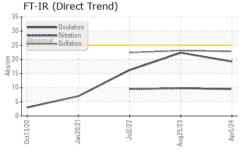
## **Fluid Condition**

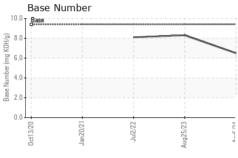
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

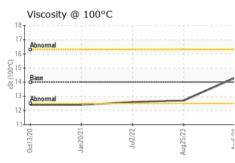
AL)		0ct2020	Jan2021	Jul2022 Aug2023	Apr2024	
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0001951	SBP0002006	SBP0000946
Sample Date		Client Info		05 Apr 2024	25 Aug 2023	02 Jul 2022
Machine Age	mls	Client Info		329954	292029	221697
Oil Age	mls	Client Info		20000	20000	20000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	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	>80	10	10	10
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		67	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>30	6	5	6
Lead	ppm	ASTM D5185m	>30	<1	0	<1
Copper	ppm	ASTM D5185m	>150	3	4	5
Tin	ppm	ASTM D5185m	>5	<1	0	1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	57	8	26
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	18	45	16
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	436	623	733
Calcium	ppm	ASTM D5185m		1737	1417	1429
Phosphorus	ppm	ASTM D5185m		916	778	986
Zinc	ppm	ASTM D5185m		1088	987	1221
Sulfur	ppm	ASTM D5185m		3755	2799	3990
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	6	4	4
Sodium	ppm	ASTM D5185m		4	2	2
Potassium	ppm	ASTM D5185m	>20	21	3	3
Chlorine	ppm	ASTM D5185m				
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.5	0.4
Nitration	Abs/cm	*ASTM D7624	>20	9.5	9.8	9.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.8	23.1	22.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.2	22.3	16.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	6.5	8.3	8.1

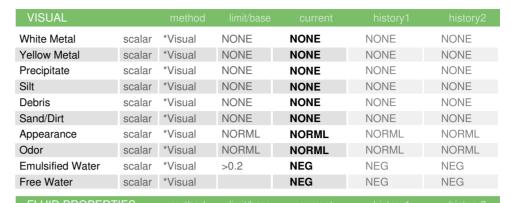


# **OIL ANALYSIS REPORT**



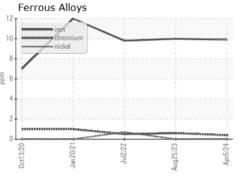


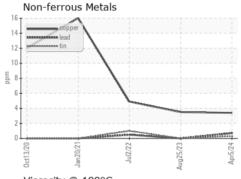


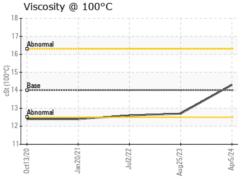


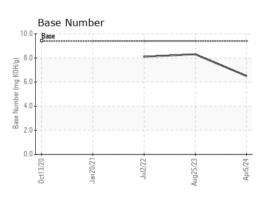
FLUID PHOPENTIES		memod			riistory i	HIStoryZ
Visc @ 100°C	cSt	ASTM D445	14	14.3	12.7	12.6

### **GRAPHS**













Laboratory Sample No.

: SBP0001951 Lab Number : 06150888 Unique Number : 10980966

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Apr 2024

**Tested** : 17 Apr 2024 Diagnosed : 18 Apr 2024 - Sean Felton

Sapp Bros. Fleet - Lincoln Location US

Test Package : FLEET Certificate 12367 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)

Contact: Service Manager

T:

F: