



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**Contracting**  
Machine Id  
**5512 5512**  
Component  
**Pump Drive**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (1 QTS)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0918755</b>	WC0835066	WC0770916
Sample Date		Client Info		<b>22 Apr 2024</b>	09 Aug 2023	01 Mar 2023
Machine Age	hrs	Client Info		<b>8132</b>	7620	6974
Oil Age	hrs	Client Info		<b>1158</b>	646	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>151	<b>31</b>	17	13
Chromium	ppm	ASTM D5185m	>11	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	1
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	3	2
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>4	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

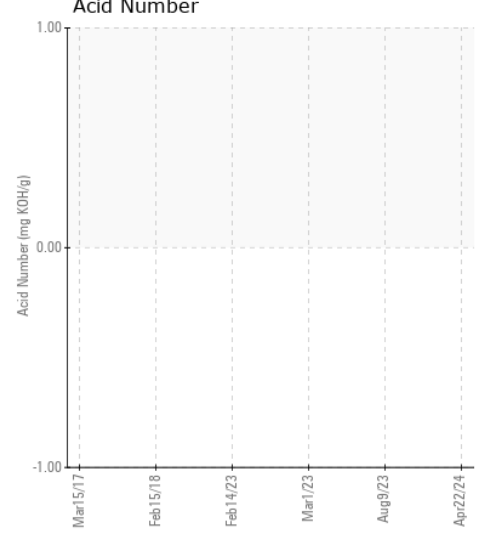
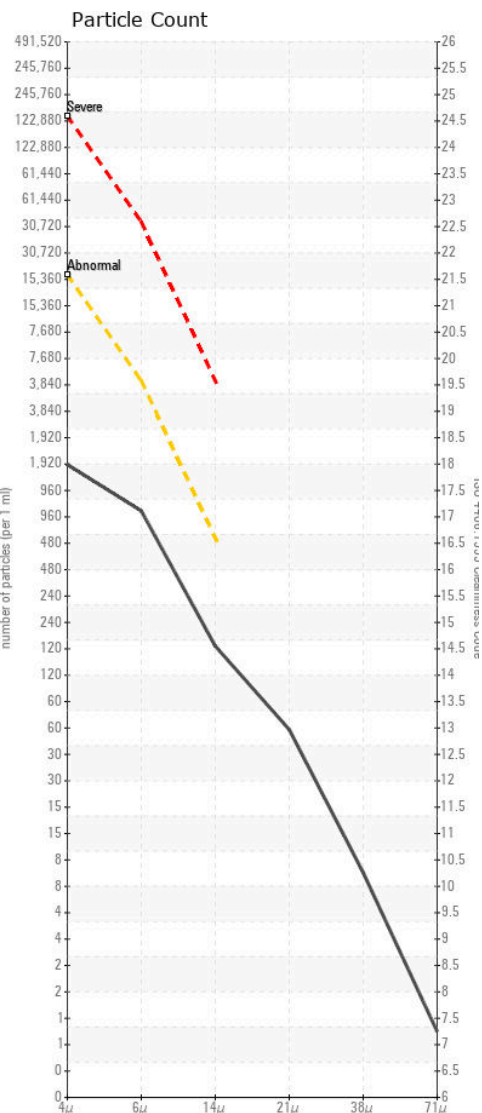
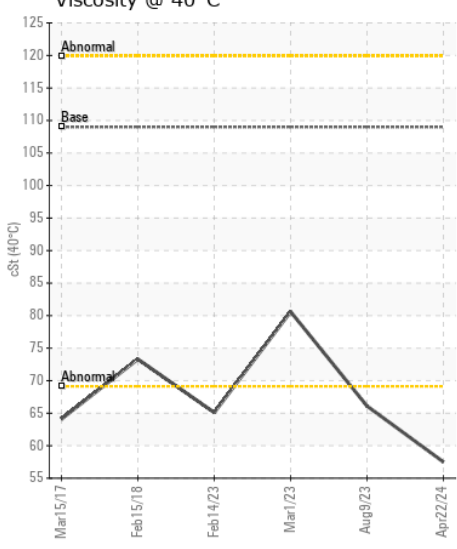
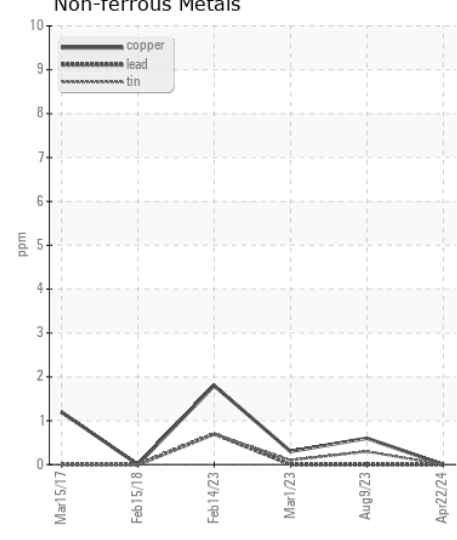
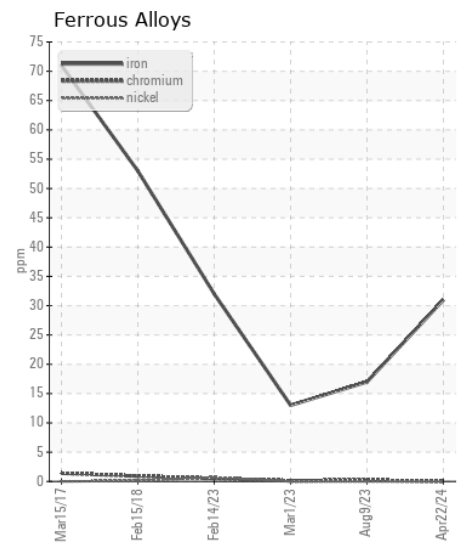
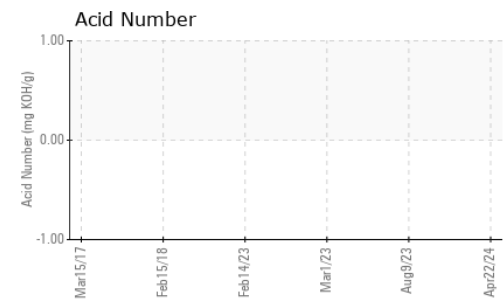
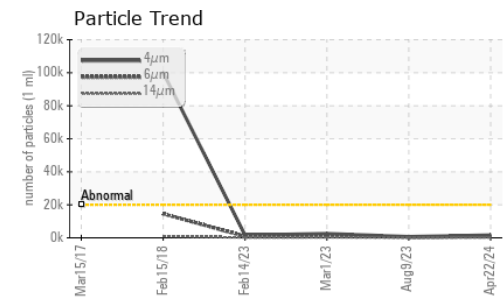
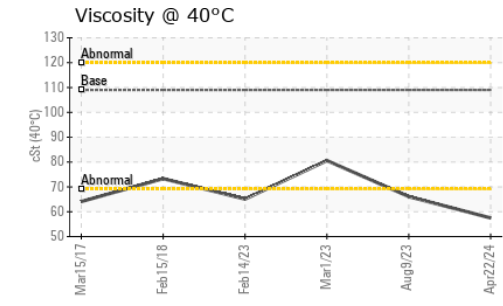
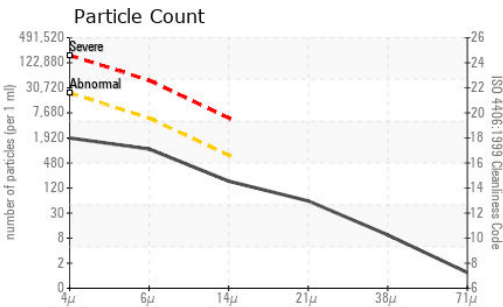
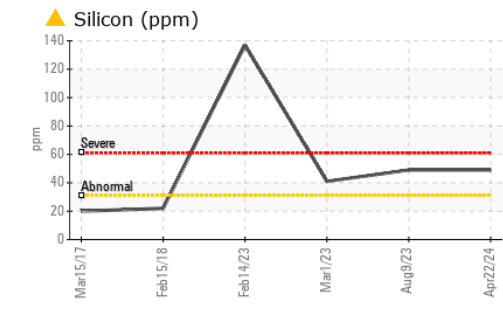
Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>31	<b>▲ 49</b>	▲ 49	▲ 41
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>20000	<b>1670</b>	705	2584
Particles >6µm		ASTM D7647	>5000	<b>910</b>	384	1408
Particles >14µm		ASTM D7647	>640	<b>155</b>	65	240
Particles >21µm		ASTM D7647	>160	<b>52</b>	22	81
Particles >38µm		ASTM D7647	>40	<b>8</b>	3	12
Particles >71µm		ASTM D7647	>10	<b>1</b>	0	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>18/17/14</b>	17/16/13	19/18/15
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>19</b>	20	14
Boron	ppm	ASTM D5185m	0	<b>45</b>	70	83
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	1
Molybdenum	ppm	ASTM D5185m	0	<b>30</b>	41	47
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>307</b>	429	450
Calcium	ppm	ASTM D5185m		<b>1081</b>	1431	1481
Phosphorus	ppm	ASTM D5185m		<b>734</b>	736	734
Zinc	ppm	ASTM D5185m		<b>589</b>	747	829
Sulfur	ppm	ASTM D5185m		<b>2683</b>	2969	3657
Visc @ 40°C	cSt	ASTM D445	109	<b>57.5</b>	66.1	80.6



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0918755 **Received** : 24 Apr 2024  
**Lab Number** : 06158959 **Tested** : 25 Apr 2024  
**Unique Number** : 10994382 **Diagnosed** : 25 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PrtCount )

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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)