



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Contracting
Machine Id
5524 5524
Component
Right Final Drive
Fluid
MOBIL 75W90 (1 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

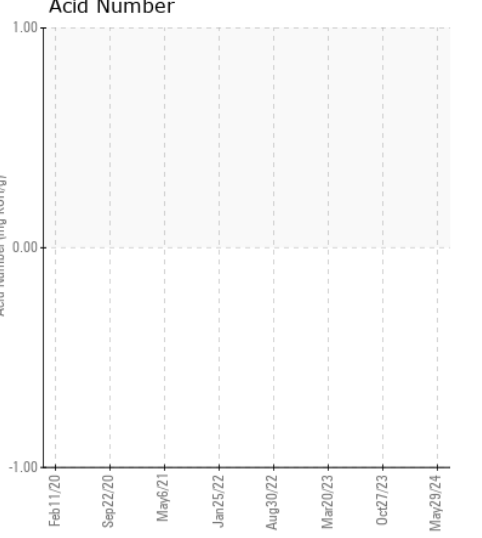
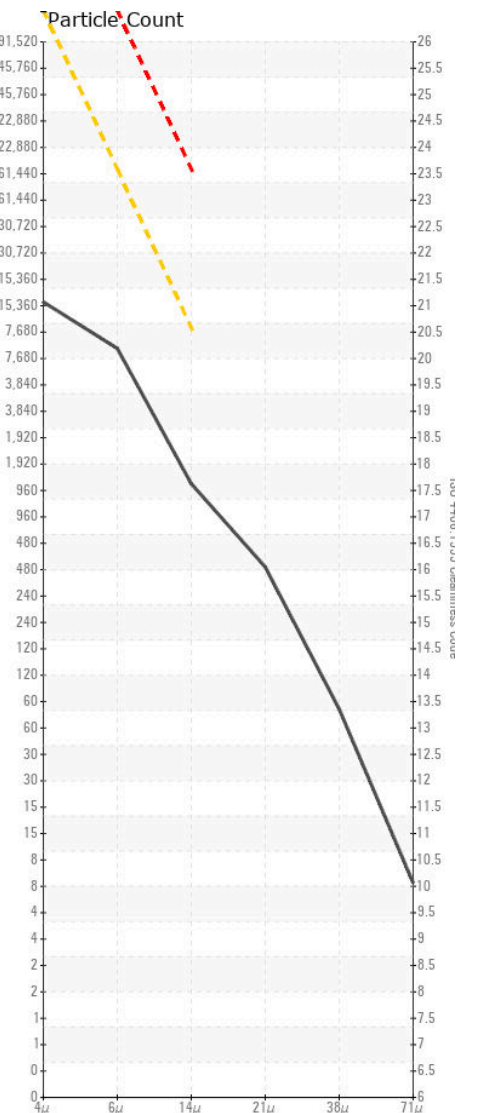
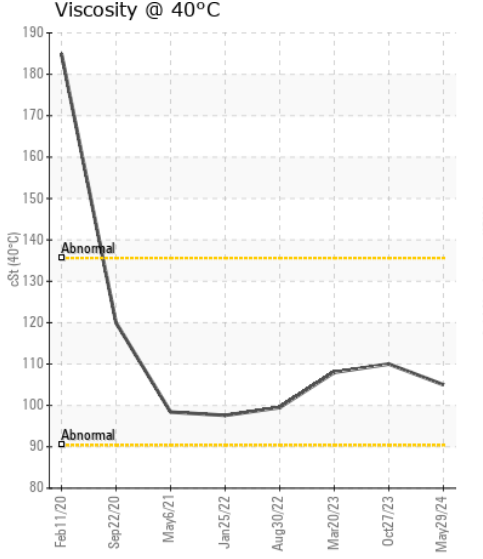
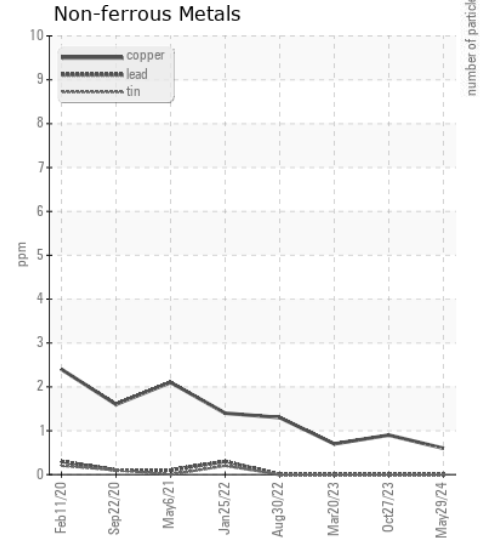
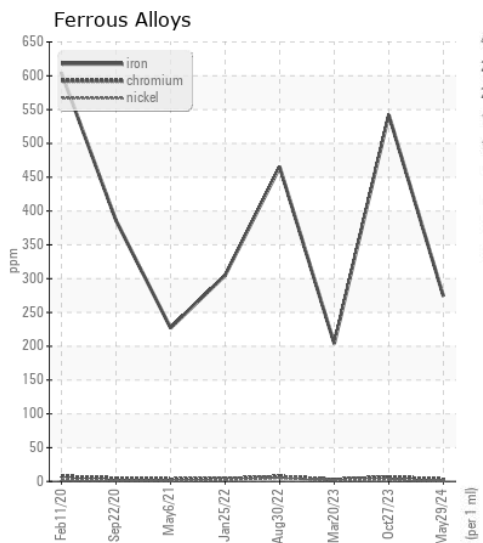
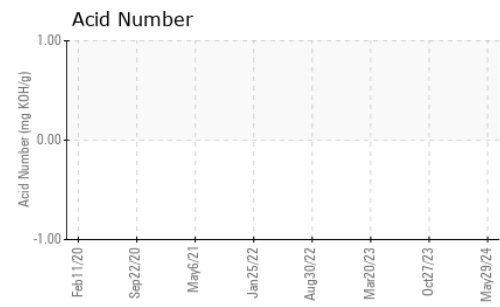
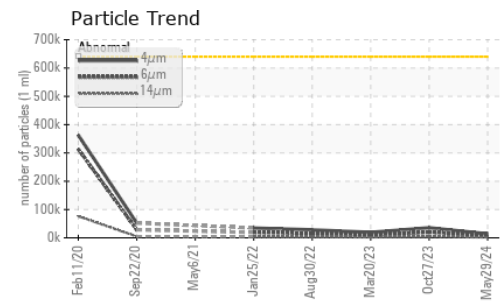
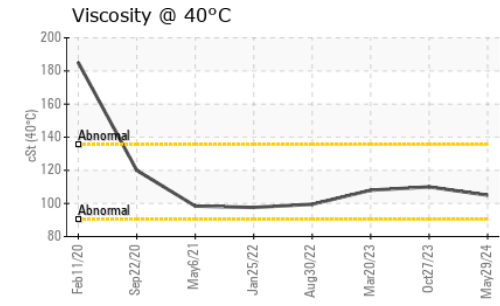
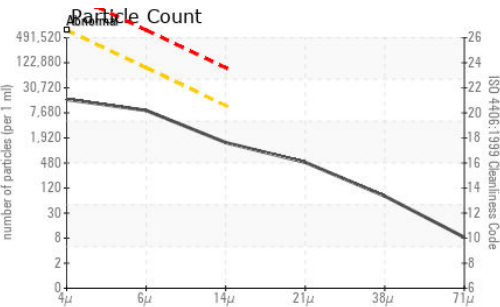
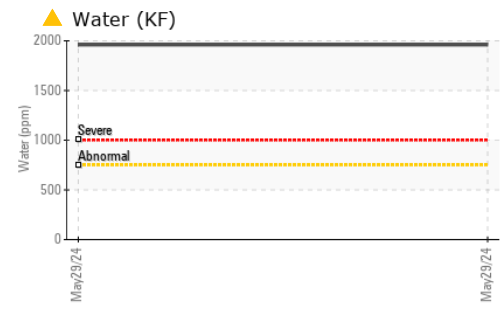
CONTAMINATION

There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0947818	WC0867212	WC0794003
Sample Date		Client Info		29 May 2024	27 Oct 2023	20 Mar 2023
Machine Age	hrs	Client Info		6168	5721	5104
Oil Age	hrs	Client Info		1672	1225	611
Filter Age	hrs	Client Info		1672	1225	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>750	274	542	204
Chromium	ppm	ASTM D5185m	>9	3	6	2
Nickel	ppm	ASTM D5185m	>10	<1	3	2
Titanium	ppm	ASTM D5185m		<1	2	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	10	21	10
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	43	84	42
Potassium	ppm	ASTM D5185m	>20	1	3	<1
Water	%	ASTM D6304	>0.075	0.196	---	---
ppm Water	ppm	ASTM D6304	>750	1960	---	---
Particles >4µm		ASTM D7647	>64000	14006	35643	19348
Particles >6µm		ASTM D7647	>80000	7630	19417	10540
Particles >14µm		ASTM D7647	>10000	1299	3304	1794
Particles >21µm		ASTM D7647	>2500	437	1113	604
Particles >38µm		ASTM D7647	>640	68	172	93
Particles >71µm		ASTM D7647	>160	7	18	10
Oil Cleanliness		ISO 4406 (c)	>26/23/20	21/20/17	22/21/19	21/21/18
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	2	3	0
Boron	ppm	ASTM D5185m		199	55	72
Barium	ppm	ASTM D5185m		<1	<1	0
Molybdenum	ppm	ASTM D5185m		1	<1	1
Manganese	ppm	ASTM D5185m		2	4	2
Magnesium	ppm	ASTM D5185m		15	17	16
Calcium	ppm	ASTM D5185m		117	31	28
Phosphorus	ppm	ASTM D5185m		1100	734	737
Zinc	ppm	ASTM D5185m		55	29	35
Sulfur	ppm	ASTM D5185m		24835	20152	18574
Visc @ 40°C	cSt	ASTM D445		105	110	108



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0947818 **Received** : 31 May 2024
Lab Number : 06196539 **Tested** : 04 Jun 2024
Unique Number : 11058662 **Diagnosed** : 04 Jun 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: KF, PrtCount)

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Certificate L2367
 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)