



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

Contracting

Machine Id

4404 4404

Component

Differential

Fluid

MOBIL DELVAC 1 SYNTHETIC GEAR SAE 75W90 (40 PNT)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0918700	WC0867131	WC0808907
Sample Date		Client Info		22 Apr 2024	10 Nov 2023	19 Apr 2023
Machine Age	hrs	Client Info		12713	12243	11248
Oil Age	hrs	Client Info		1465	995	3382
Filter Age	hrs	Client Info		1465	995	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	42	37	59
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	1	3
Aluminum	ppm	ASTM D5185m	>25	0	1	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>100	0	<1	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

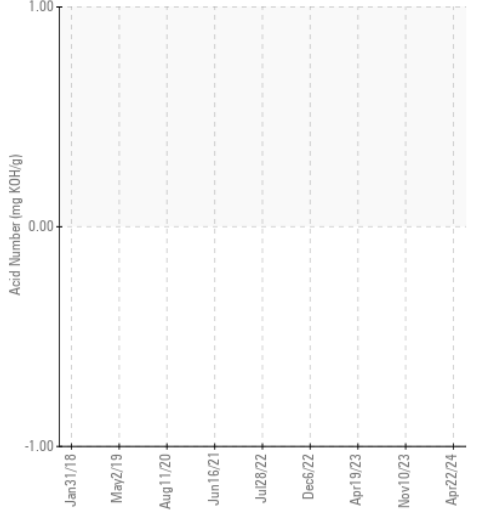
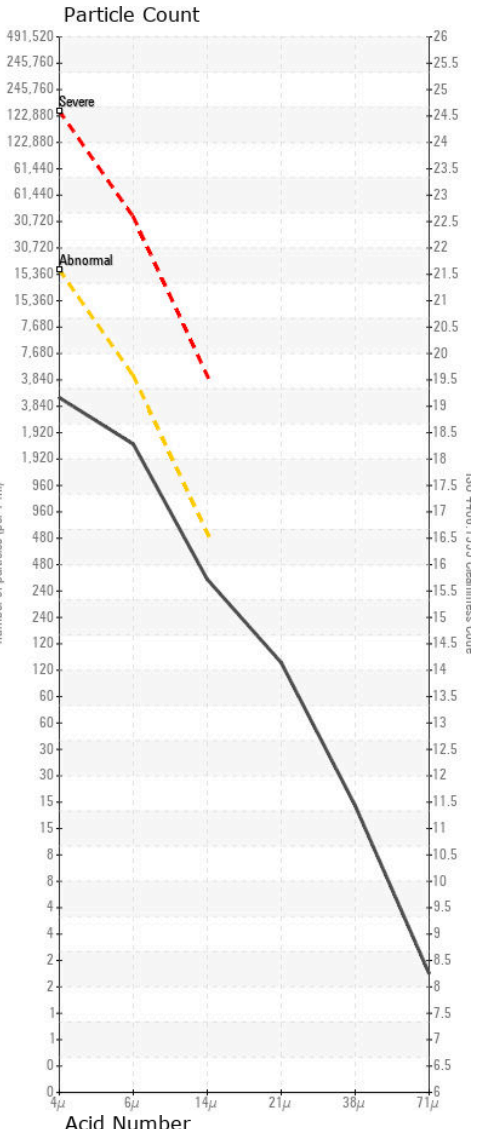
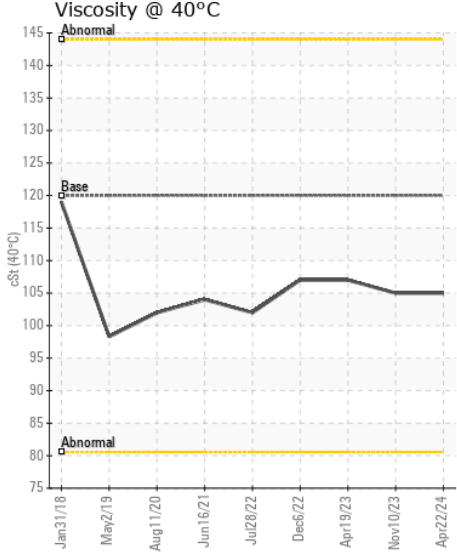
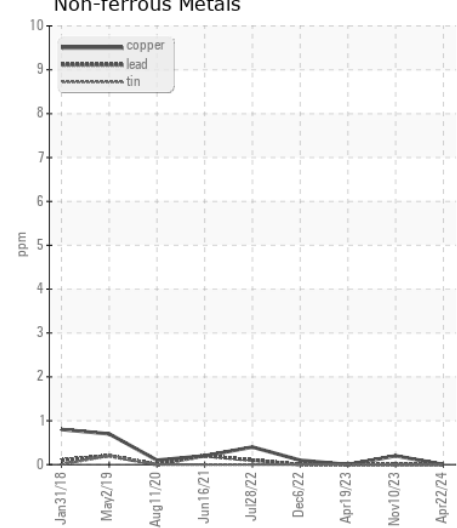
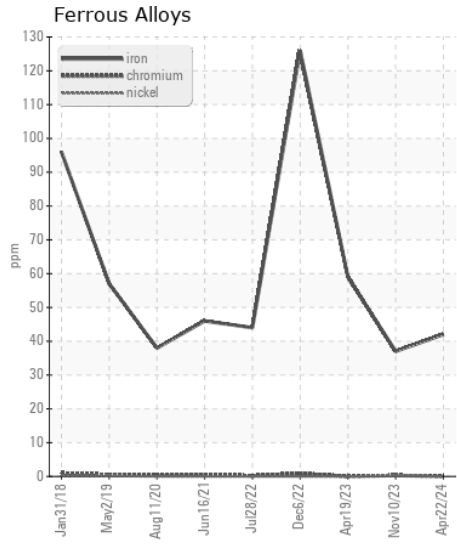
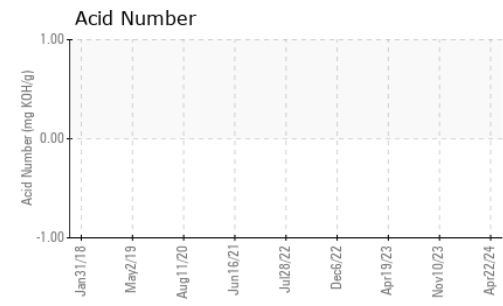
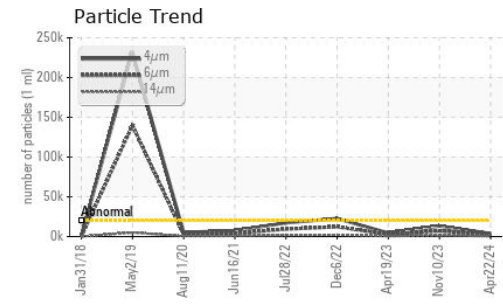
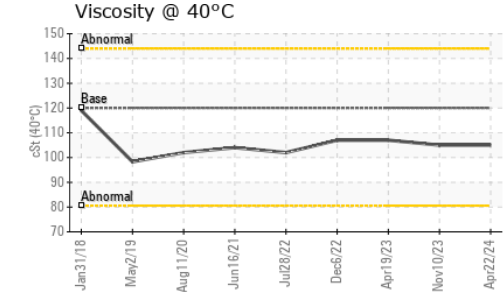
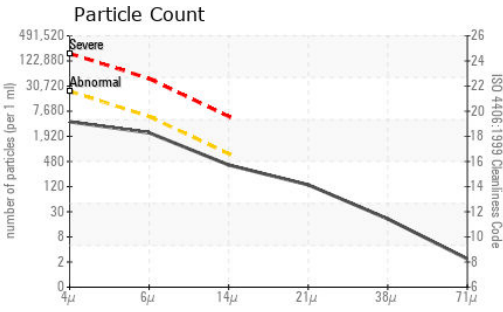
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	8	15
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water		WC Method	>.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	3750	13276	4445
Particles >6µm		ASTM D7647	>5000	2043	7232	2421
Particles >14µm		ASTM D7647	>640	348	1231	412
Particles >21µm		ASTM D7647	>160	117	415	139
Particles >38µm		ASTM D7647	>40	18	64	21
Particles >71µm		ASTM D7647	>10	2	7	2
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/18/16	21/20/17	19/18/16
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	2	<1
Boron	ppm	ASTM D5185m		186	182	109
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	1	1
Manganese	ppm	ASTM D5185m		0	<1	1
Magnesium	ppm	ASTM D5185m		5	8	16
Calcium	ppm	ASTM D5185m		59	70	44
Phosphorus	ppm	ASTM D5185m		1094	1003	770
Zinc	ppm	ASTM D5185m		35	27	18
Sulfur	ppm	ASTM D5185m		25412	21005	24566
Visc @ 40°C	cSt	ASTM D445	120	105	105	107



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0918700 **Received** : 24 Apr 2024
Lab Number : 06158962 **Tested** : 25 Apr 2024
Unique Number : 10994385 **Diagnosed** : 25 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

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)

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