



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Contracting
Machine Id
5536 5536
Component
Left Final Drive
Fluid
GEAR OIL SAE 85W140 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0902853	WC0819181	WC0740773
Sample Date		Client Info		27 Feb 2024	09 Aug 2023	21 Sep 2022
Machine Age	hrs	Client Info		1208	651	10
Oil Age	hrs	Client Info		1208	651	10
Filter Age	hrs	Client Info		1208	651	10
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>750	159	145	33
Chromium	ppm	ASTM D5185m	>9	3	3	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	1	2	<1
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

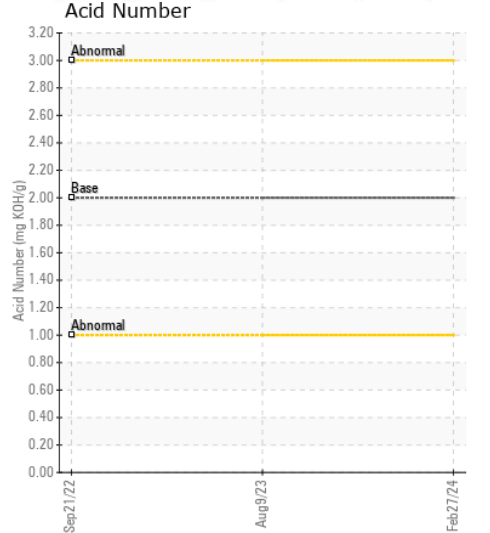
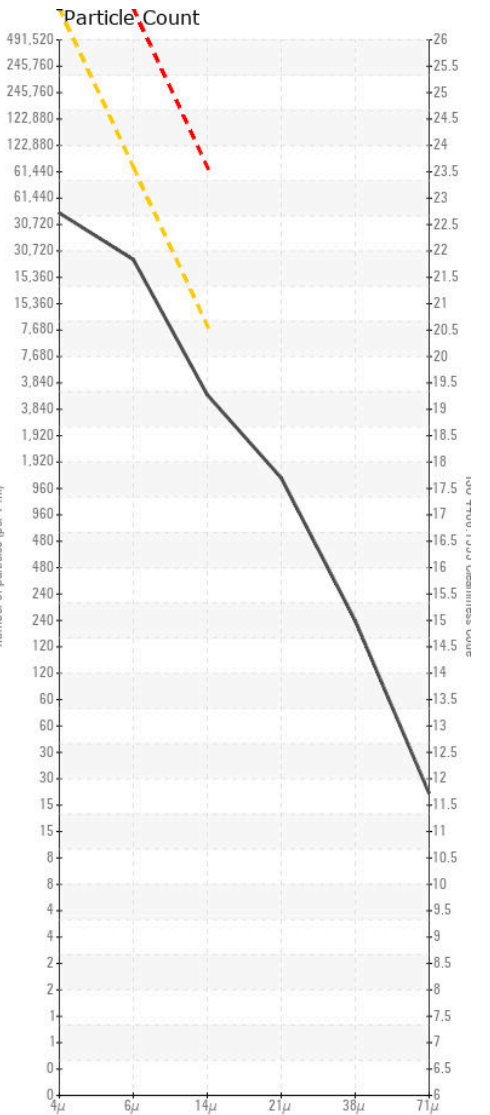
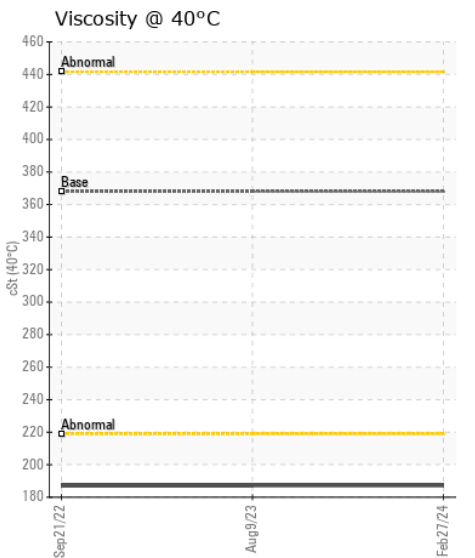
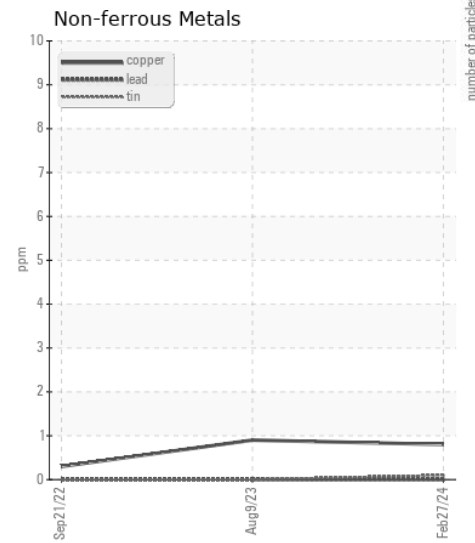
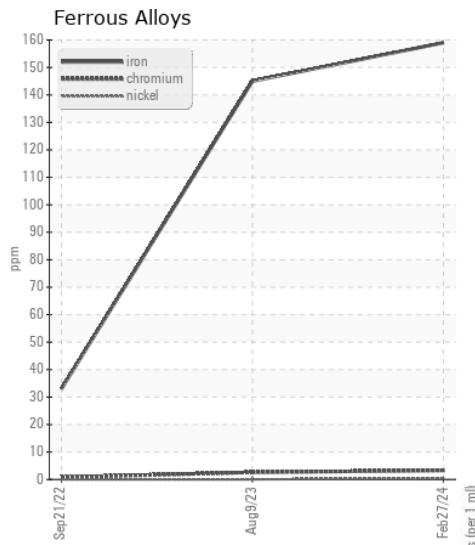
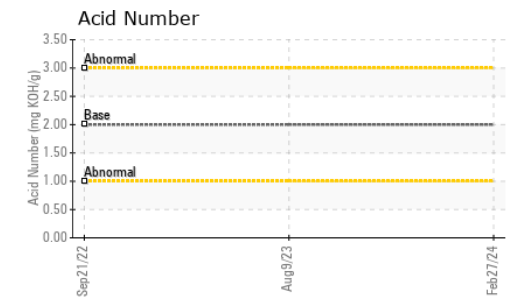
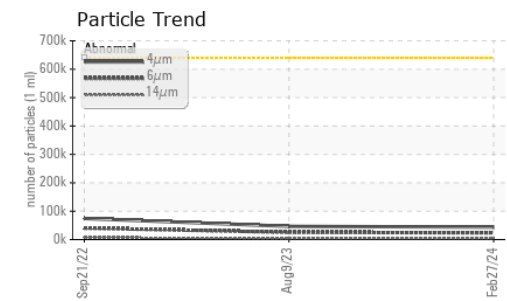
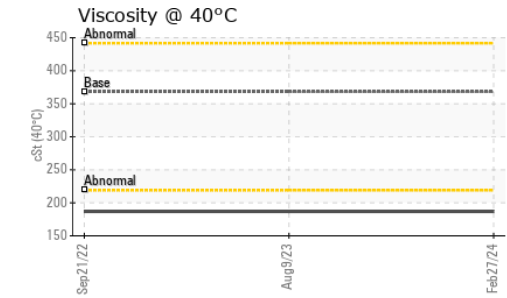
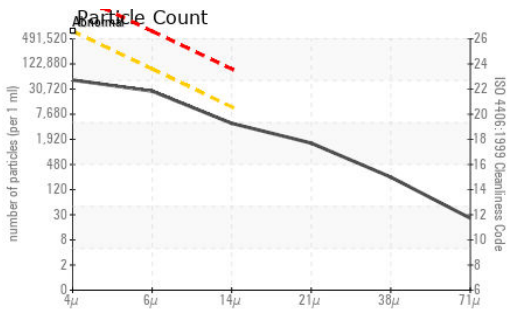
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	20	19	12
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>640000	43698	46561	74317
Particles >6µm		ASTM D7647	>80000	23805	25364	40485
Particles >14µm		ASTM D7647	>10000	4051	4317	6890
Particles >21µm		ASTM D7647	>2500	1365	1454	2321
Particles >38µm		ASTM D7647	>640	211	224	358
Particles >71µm		ASTM D7647	>160	22	23	37
Oil Cleanliness		ISO 4406 (c)	>26/23/20	23/22/19	23/22/19	23/23/20
Silt	scalar	*Visual	NONE	NONE	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	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<1	<1	<1
Boron	ppm	ASTM D5185m	400	68	81	89
Barium	ppm	ASTM D5185m	200	6	0	6
Molybdenum	ppm	ASTM D5185m	12	<1	0	<1
Manganese	ppm	ASTM D5185m		4	4	1
Magnesium	ppm	ASTM D5185m	12	2	0	0
Calcium	ppm	ASTM D5185m	150	14	16	25
Phosphorus	ppm	ASTM D5185m	1650	523	525	531
Zinc	ppm	ASTM D5185m	125	30	17	14
Sulfur	ppm	ASTM D5185m	22500	17192	18195	18069
Visc @ 40°C	cSt	ASTM D445	368	187	187	187



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0902853 **Received** : 29 Feb 2024
Lab Number : 06104225 **Tested** : 05 Mar 2024
Unique Number : 10902455 **Diagnosed** : 05 Mar 2024 - Jonathan Hester
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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