



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
26254
Component
Front Left Planetary
Fluid
GEAR OIL SAE 80W90 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0924472	WC0905154	WC0671897
Sample Date		Client Info		25 Jun 2024	26 Feb 2024	25 Mar 2022
Machine Age	hrs	Client Info		4451	3954	2415
Oil Age	hrs	Client Info		500	500	10
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	21	109	99
Chromium	ppm	ASTM D5185m	>10	0	2	1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	2	<1
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>75	0	<1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

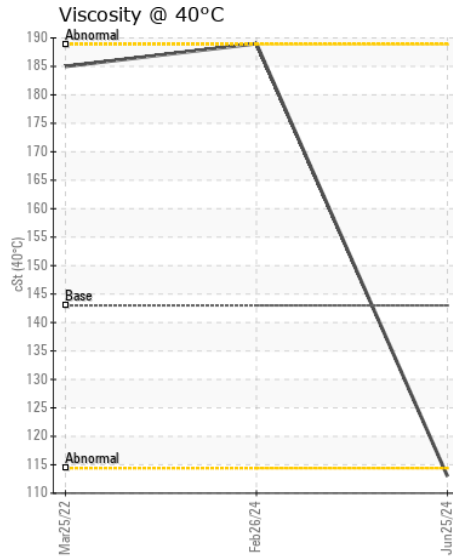
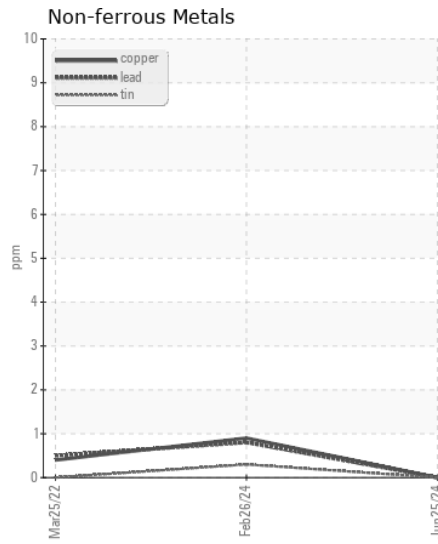
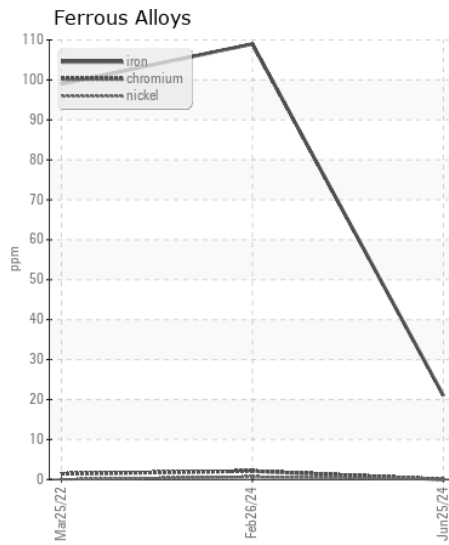
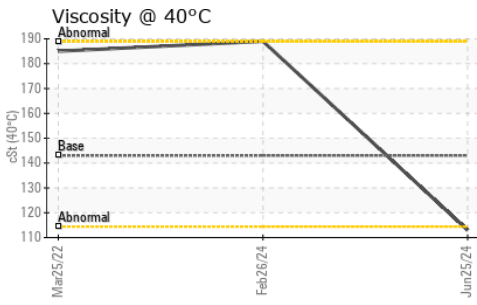
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	5	14	13
Potassium	ppm	ASTM D5185m	>20	2	2	3
Water		WC Method	>0.2	NEG	NEG	NEG
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	<1	6	2
Boron	ppm	ASTM D5185m	400	126	4	5
Barium	ppm	ASTM D5185m	200	<1	1	0
Molybdenum	ppm	ASTM D5185m	12	19	<1	0
Manganese	ppm	ASTM D5185m		<1	4	4
Magnesium	ppm	ASTM D5185m	12	87	2	0
Calcium	ppm	ASTM D5185m	150	247	28	40
Phosphorus	ppm	ASTM D5185m	1650	1494	2294	2455
Zinc	ppm	ASTM D5185m	125	183	89	70
Sulfur	ppm	ASTM D5185m	22500	22703	34959	26684
Visc @ 40°C	cSt	ASTM D445	143	113	189	185



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0924472
Lab Number : 06227936
Unique Number : 11111429
Test Package : CONST
Received : 03 Jul 2024
Tested : 05 Jul 2024
Diagnosed : 07 Jul 2024 - Don Baldrige

SULLIVAN EASTERN INC
 2860 C SLATER RD
 MORRISVILLE, NC
 US 27560

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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)