



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
4032
 Component
Left Final Drive
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221750	JR0169427	JR0152044
Sample Date		Client Info		12 Jul 2024	31 Jul 2023	11 Jan 2023
Machine Age	hrs	Client Info		6365	5056	3931
Oil Age	hrs	Client Info		1309	1000	0
Filter Age	hrs	Client Info		1309	1000	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	89	19	108
Iron	ppm	ASTM D5185m	>750	231	20	197
Chromium	ppm	ASTM D5185m	>9	4	0	4
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		2	0	1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	33	<1	24
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

CONTAMINATION

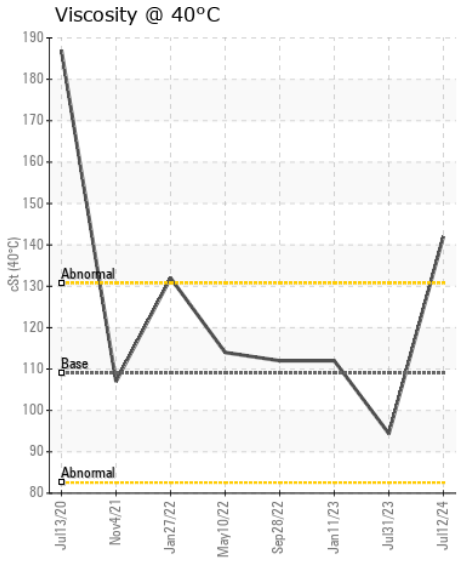
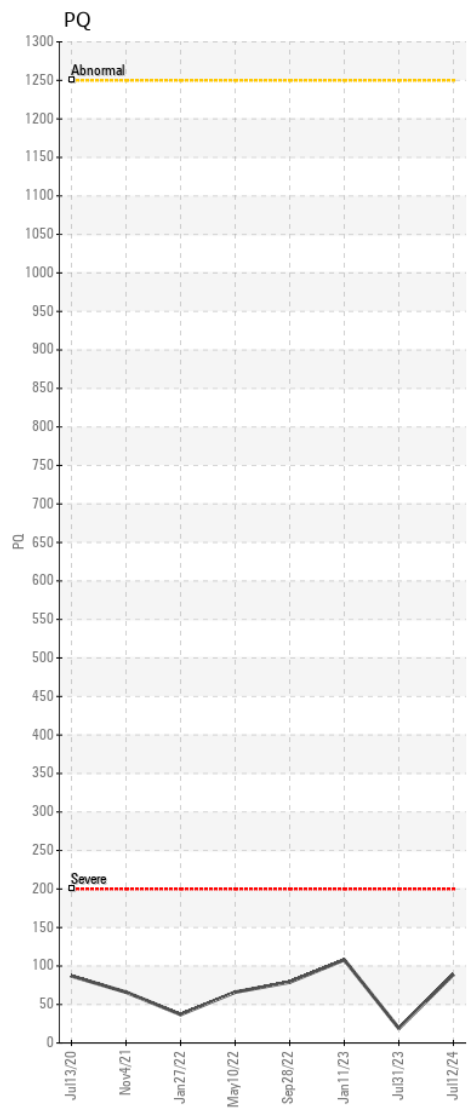
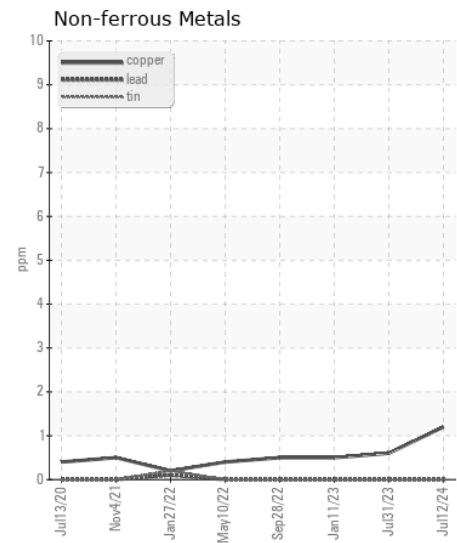
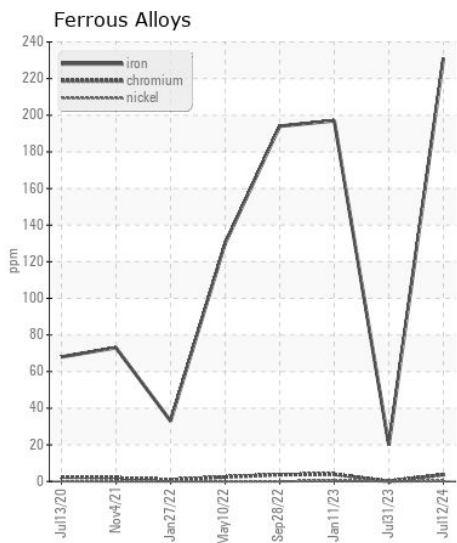
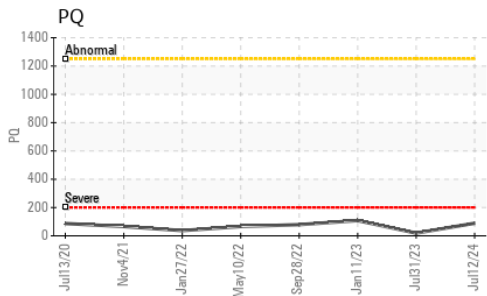
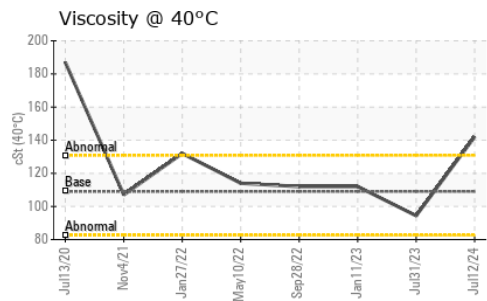
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	78	5	54
Potassium	ppm	ASTM D5185m	>20	12	0	7
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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	0	0	2
Boron	ppm	ASTM D5185m	400	5	176	5
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	<1	0	2
Manganese	ppm	ASTM D5185m		3	<1	3
Magnesium	ppm	ASTM D5185m	12	6	8	8
Calcium	ppm	ASTM D5185m	150	16	201	131
Phosphorus	ppm	ASTM D5185m	1650	297	1167	325
Zinc	ppm	ASTM D5185m	125	12	113	10
Sulfur	ppm	ASTM D5185m	22500	17994	27886	15240
Visc @ 40°C	cSt	ASTM D445	109	142	94.4	112



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221750 **Received** : 18 Jul 2024
Lab Number : 06240611 **Tested** : 19 Jul 2024
Unique Number : 11129445 **Diagnosed** : 20 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)