



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
KANSAS/44
Machine Id
20.022L [KANSAS^44]
Component
Left Final Drive
Fluid
GEAR OIL SAE 75W140 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0918329	WC0918068	WC0821614
Sample Date		Client Info		01 Jul 2024	29 May 2024	14 Nov 2023
Machine Age	hrs	Client Info		1501	0	1501
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Changed	Not Chngd
Filter Changed		Client Info		N/A	N/A	Not Chngd
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	240	▲ 1553	▲ 932
Chromium	ppm	ASTM D5185m	>10	4	▲ 35	▲ 24
Nickel	ppm	ASTM D5185m	>5	<1	● 5	3
Titanium	ppm	ASTM D5185m	>15	<1	3	2
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	4	46	30
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>75	2	11	8
Tin	ppm	ASTM D5185m	>8	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

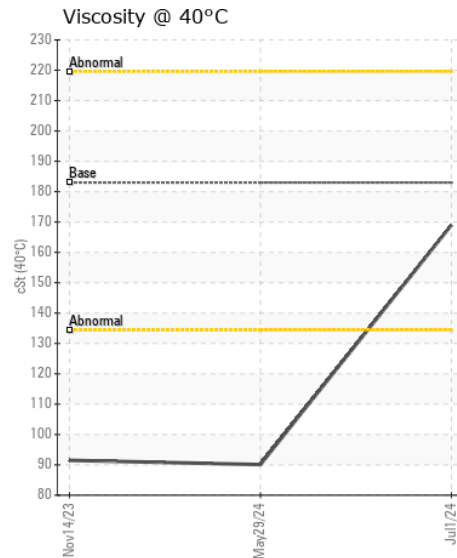
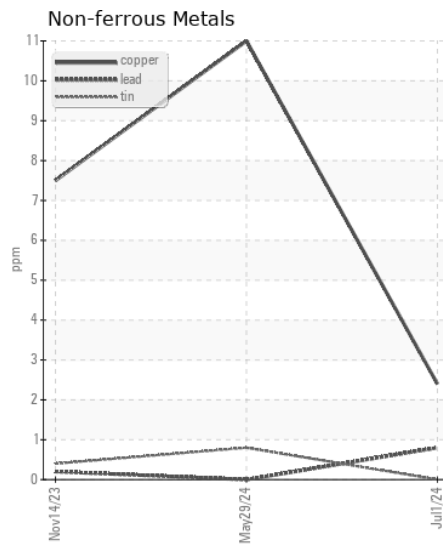
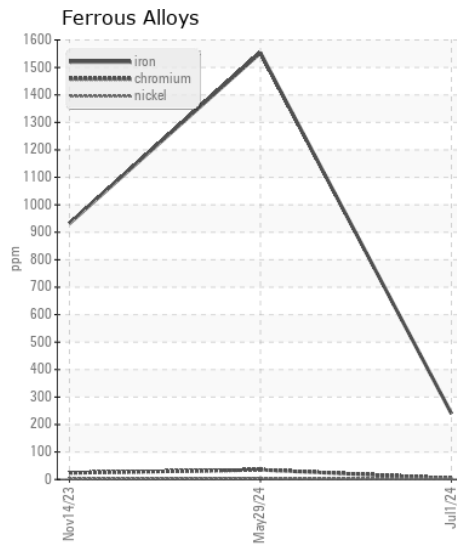
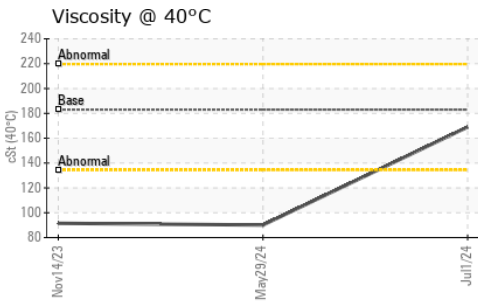
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	30	286	188
Potassium	ppm	ASTM D5185m	>20	4	20	12
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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

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

Sodium	ppm	ASTM D5185m		2	12	9
Boron	ppm	ASTM D5185m	400	210	21	13
Barium	ppm	ASTM D5185m	200	<1	58	55
Molybdenum	ppm	ASTM D5185m	12	<1	16	15
Manganese	ppm	ASTM D5185m		3	18	13
Magnesium	ppm	ASTM D5185m	12	4	19	14
Calcium	ppm	ASTM D5185m	150	304	3177	3525
Phosphorus	ppm	ASTM D5185m	1650	1817	573	587
Zinc	ppm	ASTM D5185m	125	91	744	703
Sulfur	ppm	ASTM D5185m	22500	30030	3419	2358
Visc @ 40°C	cSt	ASTM D445	183	169	90.1	91.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0918329
Lab Number : 06230505
Unique Number : 11113998
Test Package : CONST

Received : 08 Jul 2024
Tested : 10 Jul 2024
Diagnosed : 10 Jul 2024 - Don Baldrige

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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)