



OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
EX-012
 Component
Left Final Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0909371	WC0569398	---
Sample Date	Client Info			31 May 2024	12 Apr 2021	---
Machine Age	hrs	Client Info		3404	1556	---
Oil Age	hrs	Client Info		0	1556	---
Oil Changed	Client Info			N/A	Not Changd	---
Sample Status				ATTENTION	ATTENTION	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	320	259	---
Chromium	ppm	ASTM D5185m	>10	8	8	---
Nickel	ppm	ASTM D5185m	>10	<1	1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	6	4	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>50	4	5	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Antimony	ppm	ASTM D5185m	>5	---	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
Cadmium	ppm	ASTM D5185m		0	0	---

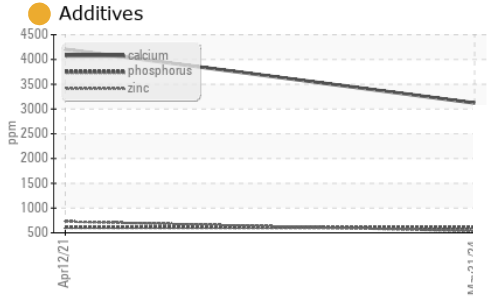
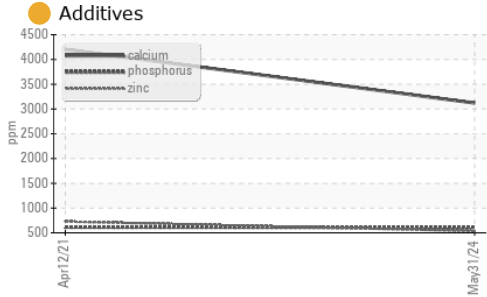
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	44	18	---
Barium	ppm	ASTM D5185m	200	20	31	---
Molybdenum	ppm	ASTM D5185m	12	11	17	---
Manganese	ppm	ASTM D5185m		5	5	---
Magnesium	ppm	ASTM D5185m	12	0	11	---
Calcium	ppm	ASTM D5185m	150	3121	4205	---
Phosphorus	ppm	ASTM D5185m	1650	607	614	---
Zinc	ppm	ASTM D5185m	125	534	728	---
Sulfur	ppm	ASTM D5185m	22500	6875	2304	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	20	21	---
Sodium	ppm	ASTM D5185m	>170	4	<1	---
Potassium	ppm	ASTM D5185m	>20	4	4	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	VLITE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---



OIL ANALYSIS REPORT



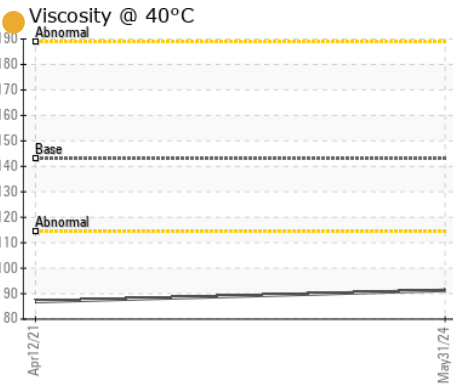
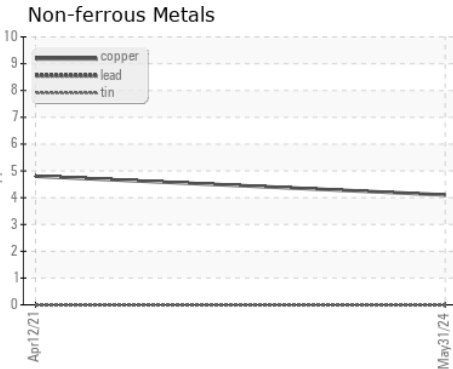
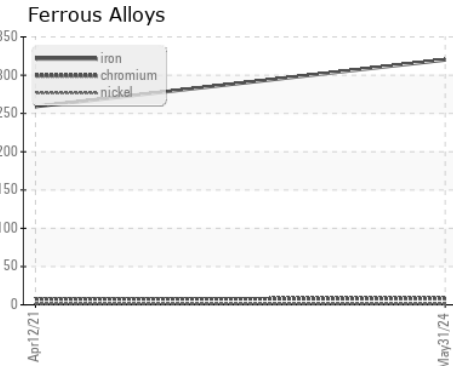
FLUID PROPERTIES

method	limit/base	current	history1	history2		
Visc @ 40°C	cSt	ASTM D445	143	91.3	86.9	---

SAMPLE IMAGES

method	limit/base	current	history1	history2	
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



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)

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0909371

Lab Number : 06236623

Unique Number : 11125457

Test Package : FLEET

Received : 15 Jul 2024

Tested : 16 Jul 2024

Diagnosed : 17 Jul 2024 - Don Baldrige

E.C. PACE CO.

1811 HOLLINS RD.

ROANOKE, VA

US 24012

Contact: EDDIE SECO

ESECO@ECPACE.COM

T: (276)266-5849

F: (540)343-6909