



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Machine Id
CZM DVT 4 4850015
Component
Right Final Drive
Fluid
GEAR OIL SAE 80W90 (1 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

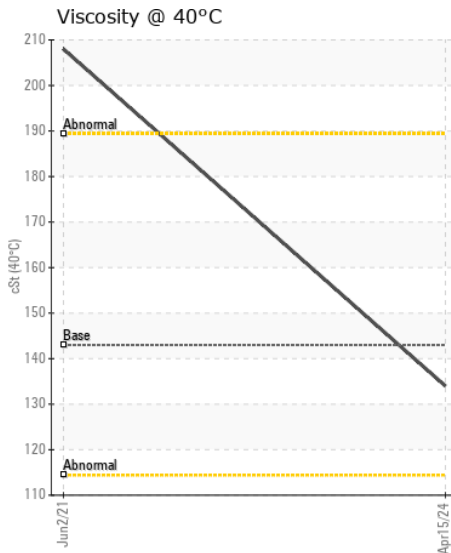
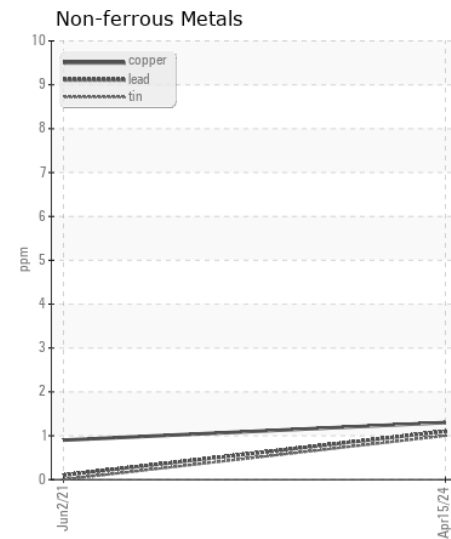
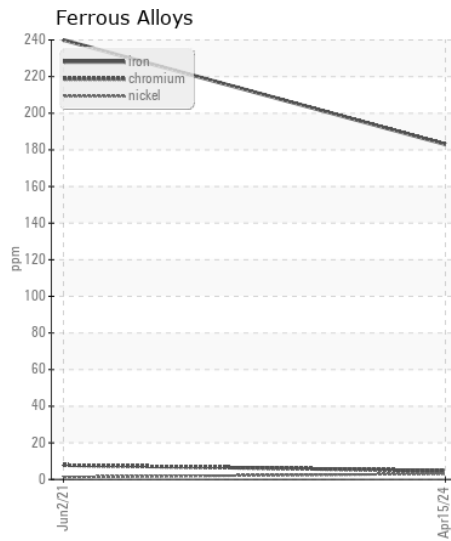
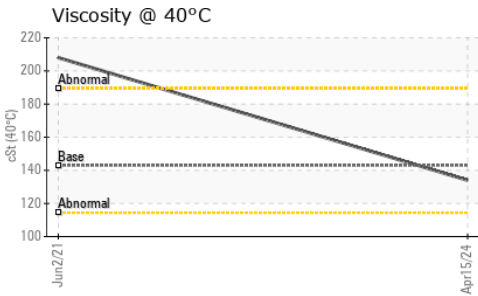
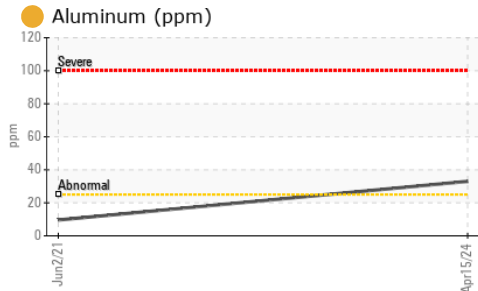
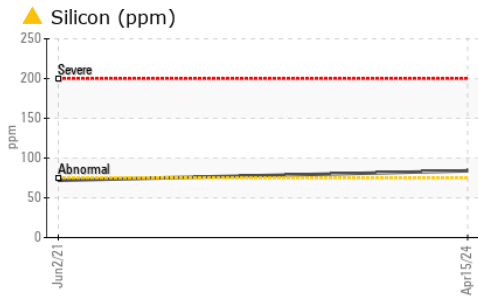
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0919231	WCMC153566	---
Sample Date		Client Info		15 Apr 2024	02 Jun 2021	---
Machine Age	hrs	Client Info		3875	1017	---
Oil Age	hrs	Client Info		0	1017	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>500	183	240	---
Chromium	ppm	ASTM D5185m	>10	5	8	---
Nickel	ppm	ASTM D5185m	>10	3	1	---
Titanium	ppm	ASTM D5185m		2	1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	33	10	---
Lead	ppm	ASTM D5185m	>25	1	<1	---
Copper	ppm	ASTM D5185m	>50	1	<1	---
Tin	ppm	ASTM D5185m	>10	1	0	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	84	72	---
Potassium	ppm	ASTM D5185m	>20	6	3	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	NONE	---
Debris	scalar	*Visual	NONE	NONE	MODER	---
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	---
Sodium	ppm	ASTM D5185m	>170	6	21	---
Boron	ppm	ASTM D5185m	400	167	17	---
Barium	ppm	ASTM D5185m	200	<1	2	---
Molybdenum	ppm	ASTM D5185m	12	2	<1	---
Manganese	ppm	ASTM D5185m		4	7	---
Magnesium	ppm	ASTM D5185m	12	5	1	---
Calcium	ppm	ASTM D5185m	150	54	33	---
Phosphorus	ppm	ASTM D5185m	1650	1039	367	---
Zinc	ppm	ASTM D5185m	125	28	1	---
Sulfur	ppm	ASTM D5185m	22500	23508	5124	---
Visc @ 40°C	cSt	ASTM D445	143	134	208	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0919231
Lab Number : **06152384**
Unique Number : 10982462
Test Package : CONST

Received : 17 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 22 Apr 2024 - Sean Felton

KELLER-NA - KERNERSVILLE
 1024 EAST MOUNTAIN ST
 KERNERSVILLE, NC
 US 27284

Contact: KEN COOK
 KENNETH.COOK@KELLER-NA.COM

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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