



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
12842
 Component
Rear Differential
 Fluid
CASTROL SYNTEC FULL SYNTHETIC 75W90 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0888319	WC0760402	WC0567178
Sample Date		Client Info		09 Jun 2024	13 Jun 2023	01 Jun 2021
Machine Age	mls	Client Info		215410	182310	105765
Oil Age	mls	Client Info		215410	182310	105765
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	167	146	132
Chromium	ppm	ASTM D5185m	>10	2	1	1
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	3	4	0
Lead	ppm	ASTM D5185m	>25	<1	3	0
Copper	ppm	ASTM D5185m	>100	3	5	2
Tin	ppm	ASTM D5185m	>10	<1	2	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

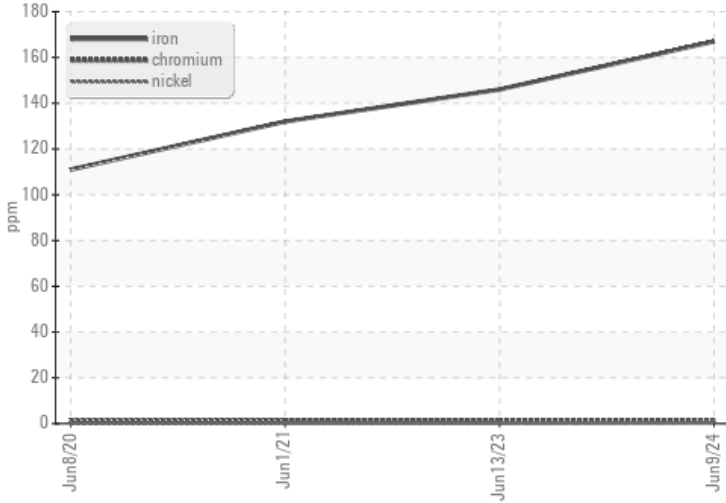
Silicon	ppm	ASTM D5185m	>75	17	12	12
Potassium	ppm	ASTM D5185m	>20	1735	1371	1661
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

FLUID CONDITION

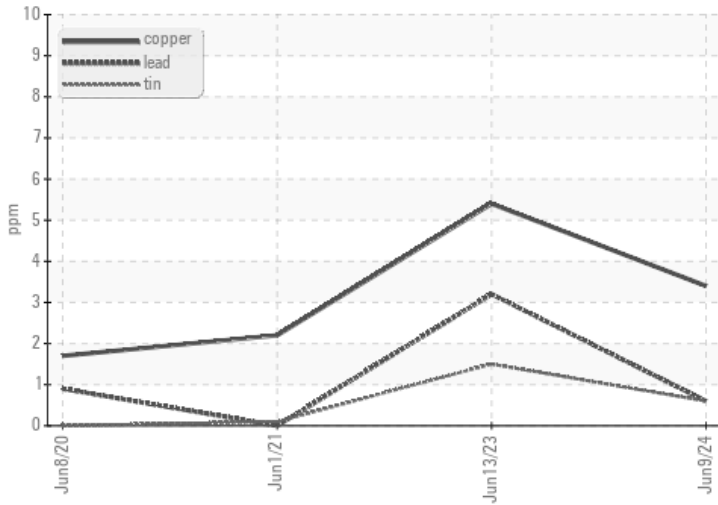
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		12	13	14
Boron	ppm	ASTM D5185m		1459	1420	1802
Barium	ppm	ASTM D5185m		2	0	<1
Molybdenum	ppm	ASTM D5185m		2	1	2
Manganese	ppm	ASTM D5185m		13	13	11
Magnesium	ppm	ASTM D5185m		2	1	4
Calcium	ppm	ASTM D5185m		68	66	77
Phosphorus	ppm	ASTM D5185m		451	400	431
Zinc	ppm	ASTM D5185m		22	10	14
Sulfur	ppm	ASTM D5185m		15895	17294	13040

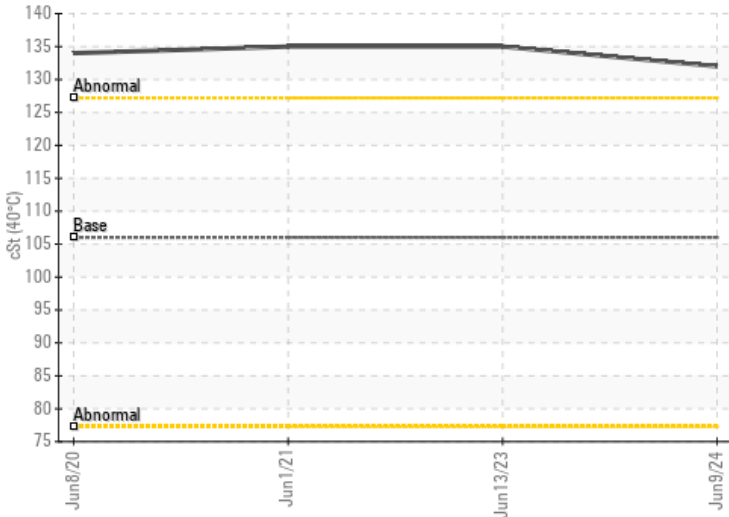
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0888319
Lab Number : 06217437
Unique Number : 11090301
Test Package : FLEET

Received : 21 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 25 Jun 2024 - Sean Felton

NOKOMIS - PGT INDUSTRIES INC
 1044 ENDEAVOR CT
 NOKOMIS, FL
 US 34275

Contact: BILL SCHULER
 wschuler@pgtindustries.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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