OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Machine Id
HEAT TRANSFER DEPOSIT
Component
Heat Transfer Fluid
Fluid
PETRO CANADA CALFLO AF (--- GAL)

DIAGNOSIS

Recommendation
This is a baseline read-out on the submitted sample. Diagnostician's Note: This is likely oxi-polymerized heat transfer fluid and corrosive iron.

Wear
Iron ppm levels are noted.

Fluid Condition
Sulfur and phosphorus ppm levels are notably high.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PC**	---	---
Sample Date		Client Info		**30 May 2024**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**ATTENTION**	---	---

CONTAMINATION	method	limit/base	current	history1	history2
Water	WC Method	>0.0601	**NEG**	---	---

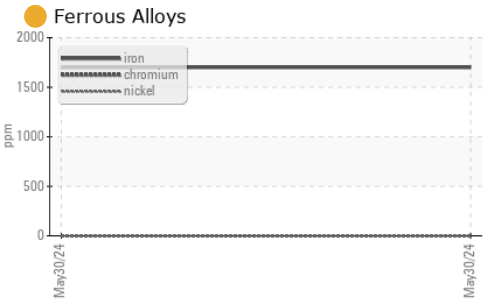
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	**1700**	---	---
Chromium	ppm	ASTM D5185(m)	>21	**0**	---	---
Nickel	ppm	ASTM D5185(m)	>21	**0**	---	---
Titanium	ppm	ASTM D5185(m)	>21	**0**	---	---
Silver	ppm	ASTM D5185(m)	>21	**0**	---	---
Aluminum	ppm	ASTM D5185(m)	>21	**<1**	---	---
Lead	ppm	ASTM D5185(m)	>21	**20**	---	---
Copper	ppm	ASTM D5185(m)	>21	**30**	---	---
Tin	ppm	ASTM D5185(m)	>21	**<1**	---	---
Antimony	ppm	ASTM D5185(m)	>21	**0**	---	---
Vanadium	ppm	ASTM D5185(m)		**0**	---	---
Beryllium	ppm	ASTM D5185(m)		**0**	---	---
Cadmium	ppm	ASTM D5185(m)		**0**	---	---

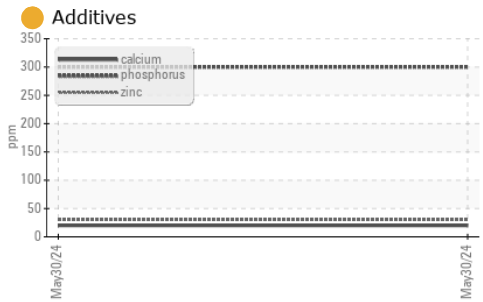
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	**<1**	---	---
Barium	ppm	ASTM D5185(m)	0	**0**	---	---
Molybdenum	ppm	ASTM D5185(m)	0	**0**	---	---
Manganese	ppm	ASTM D5185(m)	0	**<1**	---	---
Magnesium	ppm	ASTM D5185(m)	0	**<1**	---	---
Calcium	ppm	ASTM D5185(m)	0	**20**	---	---
Phosphorus	ppm	ASTM D5185(m)	270	**300**	---	---
Zinc	ppm	ASTM D5185(m)	0	**30**	---	---
Sulfur	ppm	ASTM D5185(m)	10	**520**	---	---
Lithium	ppm	ASTM D5185(m)		**<1**	---	---

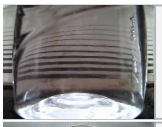
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	**0**	---	---
Sodium	ppm	ASTM D5185(m)	>21	**60**	---	---
Potassium	ppm	ASTM D5185(m)	>20	**<1**	---	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	---	---
Yellow Metal	scalar	Visual*	NONE	**NONE**	---	---
Precipitate	scalar	Visual*	NONE	**NONE**	---	---
Silt	scalar	Visual*	NONE	**NONE**	---	---
Debris	scalar	Visual*	NONE	**NONE**	---	---
Sand/Dirt	scalar	Visual*	NONE	**NONE**	---	---
Appearance	scalar	Visual*	NORML	**NORML**	---	---
Odor	scalar	Visual*	NORML	**NORML**	---	---

OIL ANALYSIS REPORT





SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

GRAPHS

ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC
Lab Number : 02639301
Unique Number : 5788463
Test Package : TEST (Additional Tests: ICP, PQ)

Received : 31 May 2024
Tested : 11 Jun 2024
Diagnosed : 11 Jun 2024 - Bill Quesnel

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

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