



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id

PRESS 2 SLUDGE (S/N 8190D)

Component

Hydraulic System

Fluid

PETRO CANADA HYDREX AW 68 (--- GAL)

DIAGNOSIS

▲ Recommendation

This is a baseline read-out on the submitted sample. Diagnostician's Note: The sludge is actually heavily oxidized oil and some iron wear debris. Recommend that you inspect the system for any hot spots (stuck valves, spools, etc.).

▲ Wear

Iron ppm levels are abnormal.

● Fluid Condition

Calcium ppm levels are notably high. Sulfur ppm levels are notably high. Zinc ppm levels are notably high.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0796125	---	---
Sample Date	Client Info		11 Apr 2024	---	---
Machine Age	mths	Client Info	24	---	---
Oil Age	mths	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.05	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		300	---	---
Iron	ppm	ASTM D5185(m) >20	▲ 188	---	---
Chromium	ppm	ASTM D5185(m) >20	4	---	---
Nickel	ppm	ASTM D5185(m) >20	<1	---	---
Titanium	ppm	ASTM D5185(m)	<1	---	---
Silver	ppm	ASTM D5185(m)	0	---	---
Aluminum	ppm	ASTM D5185(m) >20	1	---	---
Lead	ppm	ASTM D5185(m) >20	2	---	---
Copper	ppm	ASTM D5185(m) >20	5	---	---
Tin	ppm	ASTM D5185(m) >20	7	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

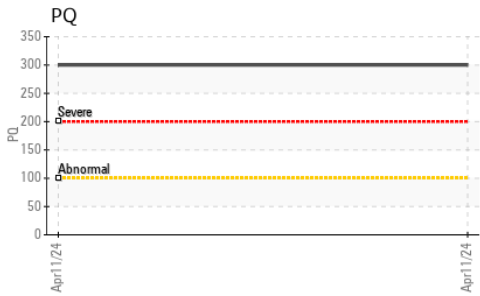
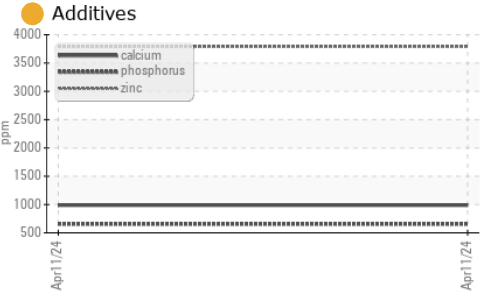
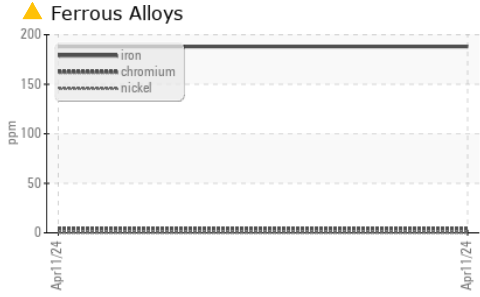
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	2	---	---
Barium	ppm	ASTM D5185(m) 0	<1	---	---
Molybdenum	ppm	ASTM D5185(m) 0	0	---	---
Manganese	ppm	ASTM D5185(m) 0	1	---	---
Magnesium	ppm	ASTM D5185(m) 0	4	---	---
Calcium	ppm	ASTM D5185(m) 50	● 987	---	---
Phosphorus	ppm	ASTM D5185(m) 330	656	---	---
Zinc	ppm	ASTM D5185(m) 430	● 3790	---	---
Sulfur	ppm	ASTM D5185(m) 760	● 3542	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS



	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	3	---	---
Sodium	ppm	ASTM D5185(m)	10	---	---
Potassium	ppm	ASTM D5185(m) >20	2	---	---



OIL ANALYSIS REPORT



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	---	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0796125
Lab Number : 02629815
Unique Number : 5762947
Test Package : TEST (Additional Tests: ICP, PQ)

SPECTRA ALUMINUM PRODUCTS INC.
 95 REAGENS INDUSTRIAL PKWY
 BRADFORD, ON
 CA L3Z 2A4
 Contact: Farzad Shik
 fshik@spectraaluminum.com as

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.

T:
 F: (905)778-8054