



PROBLEM SUMMARY

Sample Rating Trend



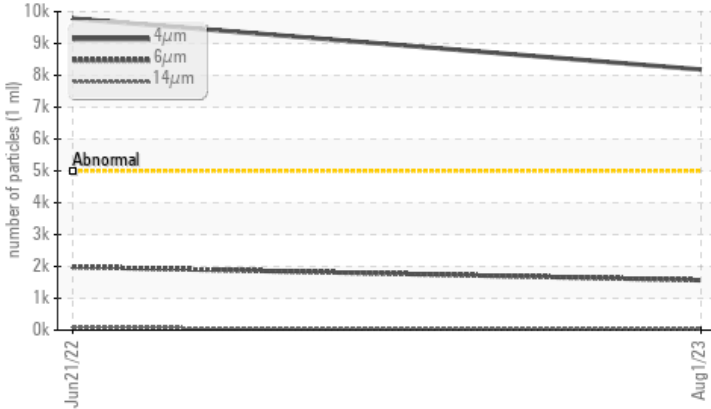
ISO



Area
HOTLINE/SCALPER
 Machine Id
SPINDLE LUBE RESERVOIR 1401-001-1790
 Component
Hydraulic System
 Fluid
PETRO CANADA HYDREX AW 68 (50 GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	ATTENTION	---
Particles >4µm	ASTM D7647	>5000	▲ 8181	▲ 9782	---
Particles >6µm	ASTM D7647	>1300	▲ 1568	▲ 1985	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 20/18/13	▲ 20/18/13	---

Customer Id: CONMUSAL
 Sample No.: KFS0003803
 Lab Number: 05923422
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

21 Jun 2022 Diag: Don Baldrige

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
HOTLINE/SCALPER
Machine Id
SPINDLE LUBE RESERVOIR 1401-001-1790
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX AW 68 (50 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 a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	KFS0003803	KFS0001761	---
Sample Date	Client Info	01 Aug 2023	21 Jun 2022	---
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	---
Sample Status		ATTENTION	ATTENTION	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	0	0
Chromium	ppm	ASTM D5185m >20	0	0
Nickel	ppm	ASTM D5185m >20	0	0
Titanium	ppm	ASTM D5185m	<1	0
Silver	ppm	ASTM D5185m	<1	0
Aluminum	ppm	ASTM D5185m >20	<1	0
Lead	ppm	ASTM D5185m >20	0	0
Copper	ppm	ASTM D5185m >20	<1	0
Tin	ppm	ASTM D5185m >20	<1	<1
Vanadium	ppm	ASTM D5185m	<1	0
Cadmium	ppm	ASTM D5185m	<1	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	0	2
Barium	ppm	ASTM D5185m 0	<1	0
Molybdenum	ppm	ASTM D5185m 0	0	0
Manganese	ppm	ASTM D5185m 0	<1	0
Magnesium	ppm	ASTM D5185m 0	7	0
Calcium	ppm	ASTM D5185m 50	48	50
Phosphorus	ppm	ASTM D5185m 330	323	313
Zinc	ppm	ASTM D5185m 430	411	400
Sulfur	ppm	ASTM D5185m 760	857	758

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	0	<1
Sodium	ppm	ASTM D5185m	1	<1
Potassium	ppm	ASTM D5185m >20	<1	0

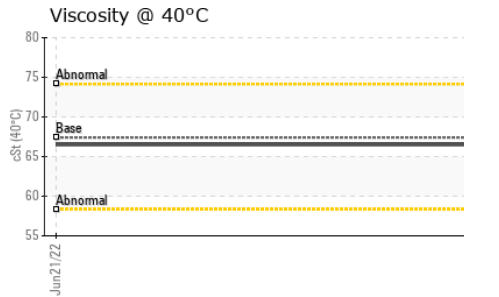
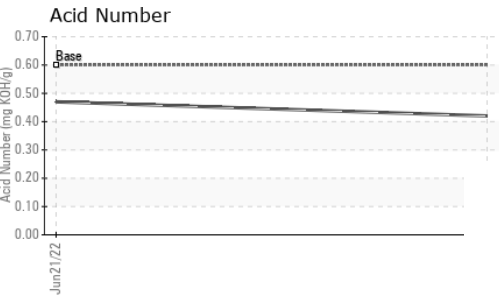
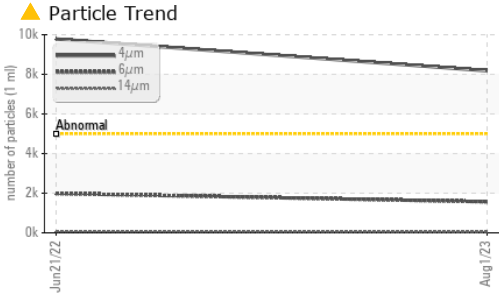
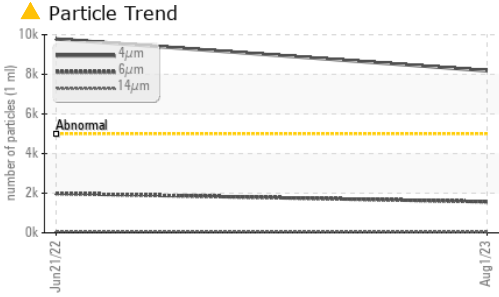
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	▲ 8181	▲ 9782	---
Particles >6µm	ASTM D7647 >1300	▲ 1568	▲ 1985	---
Particles >14µm	ASTM D7647 >160	50	76	---
Particles >21µm	ASTM D7647 >40	11	12	---
Particles >38µm	ASTM D7647 >10	1	0	---
Particles >71µm	ASTM D7647 >3	0	0	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	▲ 20/18/13	▲ 20/18/13	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.60	0.42	0.47

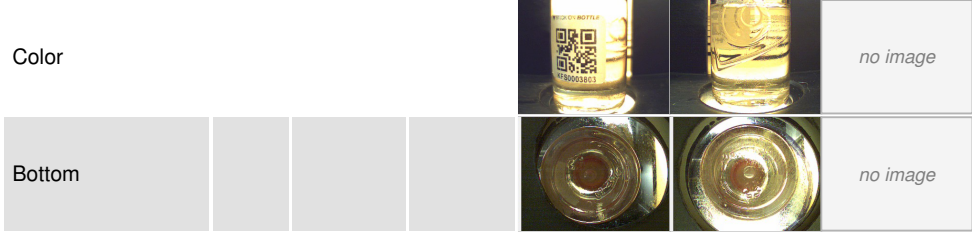
OIL ANALYSIS REPORT



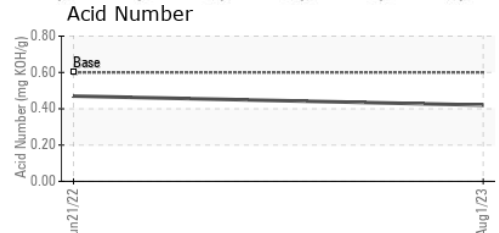
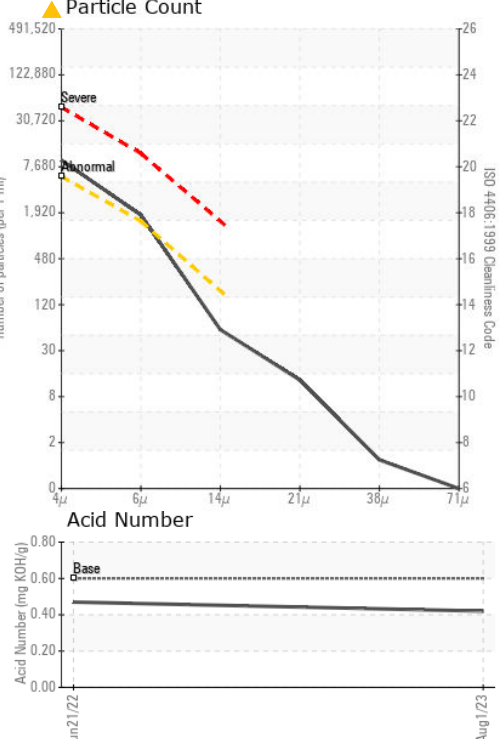
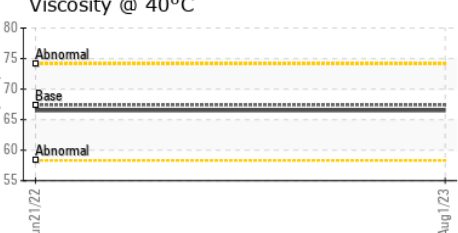
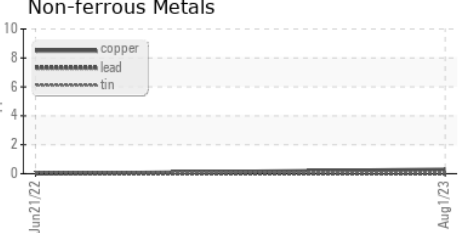
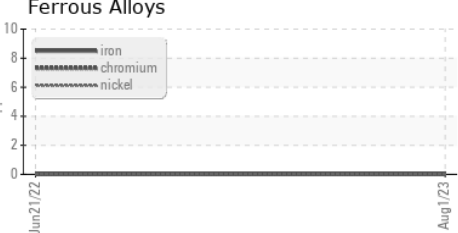
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.4	66.5	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KFS0003803 **Received** : 14 Aug 2023
Lab Number : 05923422 **Diagnosed** : 15 Aug 2023
Unique Number : 10603369 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF)

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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)