

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

TOTE #5 HYDREX AW 32

Component

New (Unused) Oil

Fluid

PETRO CANADA HYDREX AW 32 (--- GAL)

DIAGNOSIS

Recommendation

Il s'agit du relevé de base de cette huile neuve (inutilisée). Le fluide peut servir.

Contamination

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. Il n'y a aucun indice de contamination dans le huile (inutilisée) neuve.

Fluid Condition

Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en l'utilisation.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0079809	---	---
Sample Date	Client Info	12 Jun 2024	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m)	0	---	---
Chromium	ppm ASTM D5185(m)	0	---	---
Nickel	ppm ASTM D5185(m)	0	---	---
Titanium	ppm ASTM D5185(m)	0	---	---
Silver	ppm ASTM D5185(m)	0	---	---
Aluminum	ppm ASTM D5185(m)	0	---	---
Lead	ppm ASTM D5185(m)	0	---	---
Copper	ppm ASTM D5185(m)	0	---	---
Tin	ppm ASTM D5185(m)	0	---	---
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)	<1	---	---
Barium	ppm ASTM D5185(m)	0	---	---
Molybdenum	ppm ASTM D5185(m)	0	---	---
Manganese	ppm ASTM D5185(m)	0	---	---
Magnesium	ppm ASTM D5185(m)	<1	---	---
Calcium	ppm ASTM D5185(m)	50	---	---
Phosphorus	ppm ASTM D5185(m)	334	---	---
Zinc	ppm ASTM D5185(m)	424	---	---
Sulfur	ppm ASTM D5185(m)	727	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

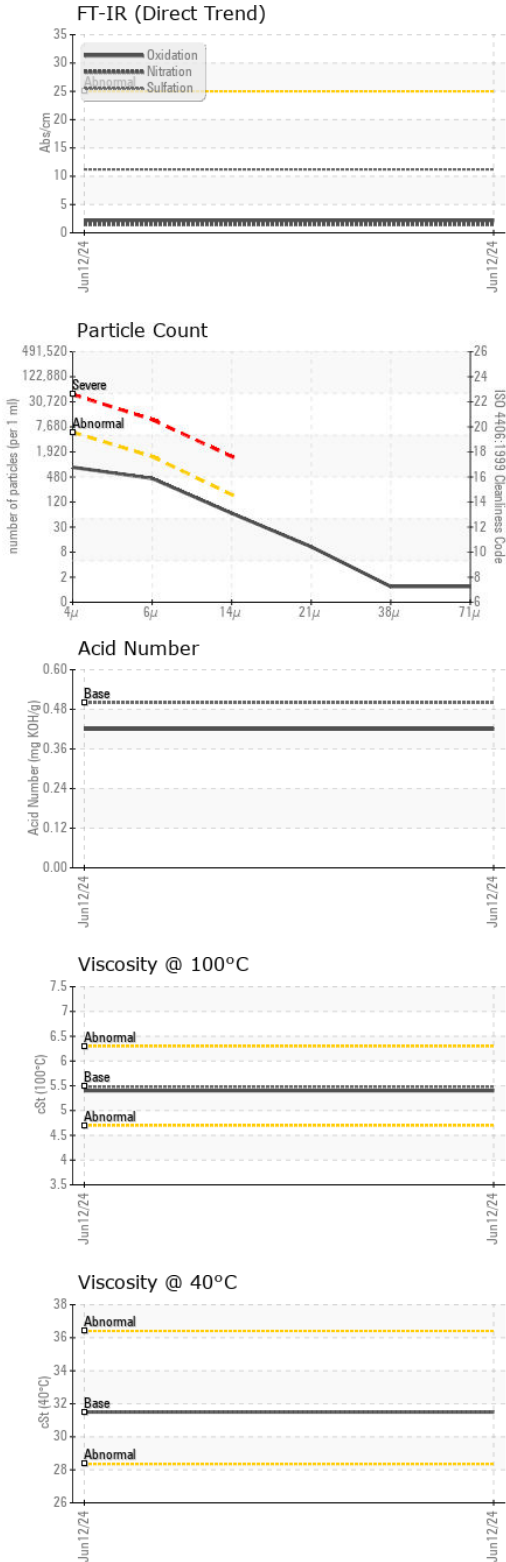
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	0	---	---
Sodium	ppm ASTM D5185(m)	0	---	---
Potassium	ppm ASTM D5185(m)	0	---	---

INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844*	0	---	---
Nitration	Abs/cm ASTM D7624*	1.5	---	---
Sulfation	Abs/.1mm ASTM D7415*	11.2	---	---

OIL ANALYSIS REPORT



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	720	---	---
Particles >6µm	ASTM D7647	>1300	389	---	---
Particles >14µm	ASTM D7647	>160	57	---	---
Particles >21µm	ASTM D7647	>40	9	---	---
Particles >38µm	ASTM D7647	>10	1	---	---
Particles >71µm	ASTM D7647	>3	1	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	17/16/13	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	2.2	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.42	---	---

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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	31.5	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	5.4	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	105	---	---

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



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0079809
Lab Number : **02641769**
Unique Number : 5799308
Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, VI)

Received : 13 Jun 2024
Tested : 14 Jun 2024
Diagnosed : 14 Jun 2024 - Kevin Marson

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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