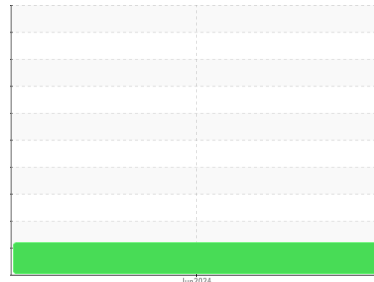




OIL ANALYSIS REPORT

Sample Rating Trend



OFF SPEC



Area

DYNAMITAGE T.C.G. [E27032024V]

Machine Id

SANDVIK RANGER DX900 9932 (S/N 108T134041)

Component

Pre-Flush Hydraulic System

Fluid

PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (--- LTR)

DIAGNOSIS

Recommendation

Il s'agit du relevé de base de l'échantillon soumis.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC	---	---
Sample Date	Client Info		13 Jun 2024	---	---
Machine Age	hrs Client Info		1111	---	---
Oil Age	hrs Client Info		0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m)	>20	2	---	---
Chromium	ppm ASTM D5185(m)	>10	0	---	---
Nickel	ppm ASTM D5185(m)	>10	0	---	---
Titanium	ppm ASTM D5185(m)		0	---	---
Silver	ppm ASTM D5185(m)		0	---	---
Aluminum	ppm ASTM D5185(m)	>10	0	---	---
Lead	ppm ASTM D5185(m)	>10	0	---	---
Copper	ppm ASTM D5185(m)	>75	2	---	---
Tin	ppm ASTM D5185(m)	>10	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

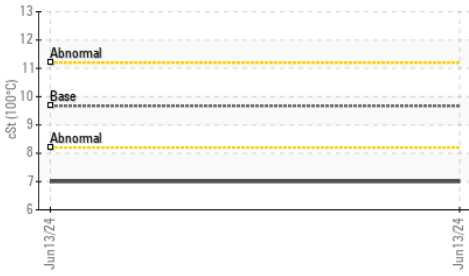
	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	0	<1	---	---
Barium	ppm ASTM D5185(m)	0	0	---	---
Molybdenum	ppm ASTM D5185(m)	0	0	---	---
Manganese	ppm ASTM D5185(m)	1	0	---	---
Magnesium	ppm ASTM D5185(m)	0	2	---	---
Calcium	ppm ASTM D5185(m)	100	119	---	---
Phosphorus	ppm ASTM D5185(m)	670	476	---	---
Zinc	ppm ASTM D5185(m)	850	235	---	---
Sulfur	ppm ASTM D5185(m)	1600	1588	---	---
Lithium	ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

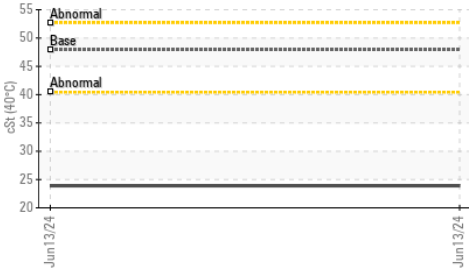
	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	>20	0	---	---
Sodium	ppm ASTM D5185(m)		<1	---	---
Potassium	ppm ASTM D5185(m)	>20	0	---	---

OIL ANALYSIS REPORT

▲ Viscosity @ 100°C



▲ Viscosity @ 40°C



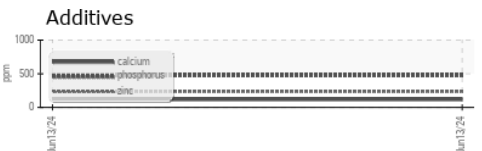
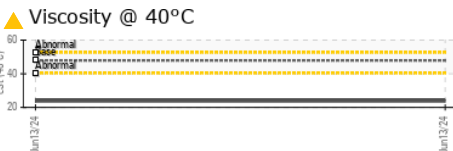
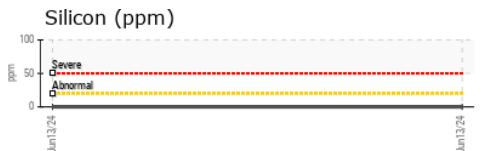
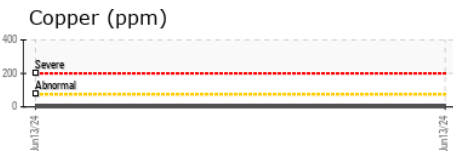
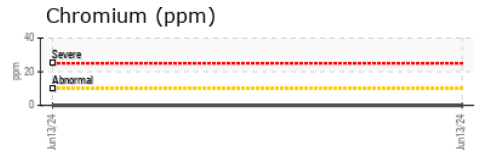
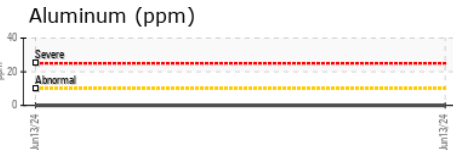
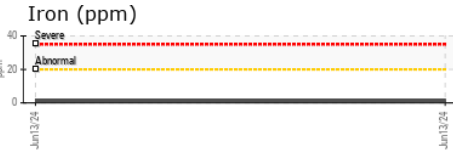
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	47.9 ▲ 23.9	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.67 ▲ 7.0	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	192 ▲ 283	---	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC **Received** : 14 Jun 2024
Lab Number : 02642041 **Tested** : 14 Jun 2024
Unique Number : 5799580 **Diagnosed** : 24 Jun 2024 - Bill Quesnel
Test Package : MOB 1 (Additional Tests: KV100, KV40, Spat, VI)

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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