



OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
Chem-Ecol
 Machine Id
A2406110
 Component
Hydraulic System
 Fluid
CHEM-ECOL PUREPROTECT 46 AW (--- GAL)

DIAGNOSIS

Recommendation

We certify that this oil is clean, that the additives are at acceptable levels, and that it is suitable for use.

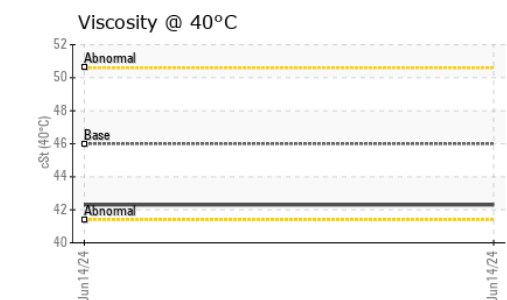
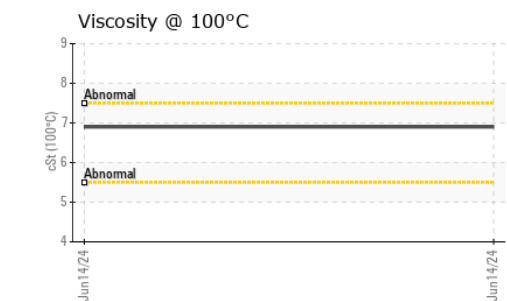
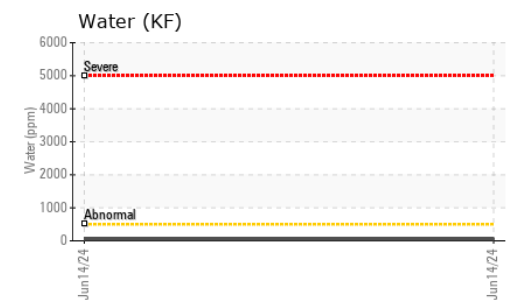
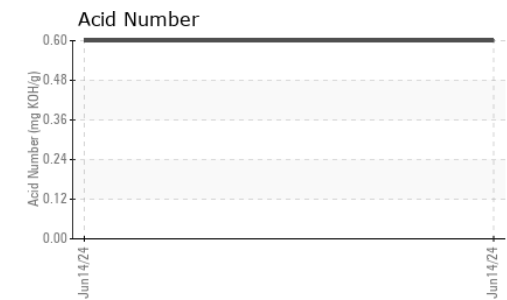
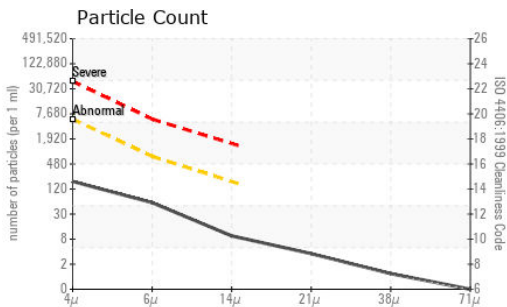
SAMPLE INFORMATION		method	limit/base	current	history1	history2
Batch #	Client Info			3120-A	---	---
Department	Client Info			Production	---	---
Sample From	Client Info			Machine	---	---
Production Stage	Client Info			Final	---	---
Sent to WC	Client Info			06/14/2024	---	---
Sample Number	Client Info			E30002405	---	---
Sample Date	Client Info			14 Jun 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				NORMAL	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<1	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>20	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		<1	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	---	---
Lead	ppm	ASTM D5185(m)	>20	0	---	---
Copper	ppm	ASTM D5185(m)	>20	<1	---	---
Tin	ppm	ASTM D5185(m)	>20	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	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		151	---	---
Calcium	ppm	ASTM D5185(m)		114	---	---
Phosphorus	ppm	ASTM D5185(m)		453	---	---
Zinc	ppm	ASTM D5185(m)		572	---	---
Sulfur	ppm	ASTM D5185(m)		1089	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<1	---	---
Sodium	ppm	ASTM D5185(m)		3	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---
Water	%	ASTM D6304*	>0.05	0.005	---	---
ppm Water	ppm	ASTM D6304*	>500	52	---	---

OIL ANALYSIS REPORT



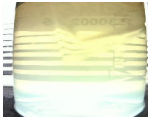

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	161	---	---
Particles >6µm	ASTM D7647	>640	50	---	---
Particles >14µm	ASTM D7647	>160	8	---	---
Particles >21µm	ASTM D7647	>40	3	---	---
Particles >38µm	ASTM D7647	>10	1	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>19/16/14	15/13/10	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*		0.60	---	---

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 D7279(m)	46	42.3	---	---
Visc @ 100°C	cSt ASTM D7279(m)		6.9	---	---
Viscosity Index (VI)	Scale ASTM D2270*		120	---	---

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



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30002405 **Received** : 18 Jun 2024
Lab Number : **02642592** **Tested** : 19 Jun 2024
Unique Number : 5800131 **Diagnosed** : 20 Jun 2024 - Aylwin Lee
Test Package : IND 2 (Additional Tests: KF, KV100, VI)

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To discuss this sample report, contact Customer Service at 1-905-372-2251.
 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.