



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	SEVERE

Machine Id
PRESS HEAT TRANSFER SYSTEM
 Component
Heat Transfer Fluid
 Fluid
HEAT TRANSFER FLUID ISO 46 (--- GAL)

RECOMMENDATION

We recommend an early resample to monitor this condition. WearCheck recommends using HTTFL sample kits for heat transfer fluids. Please contact us at 1-800-268-2131 and provide a purchase order for \$245 + HST in order to conduct additional testing (boiling points @ 10%, 50%, and 90%, percent boiling < 335°C, and solids) to determine the suitability for continued use.

WEAR

{not applicable}

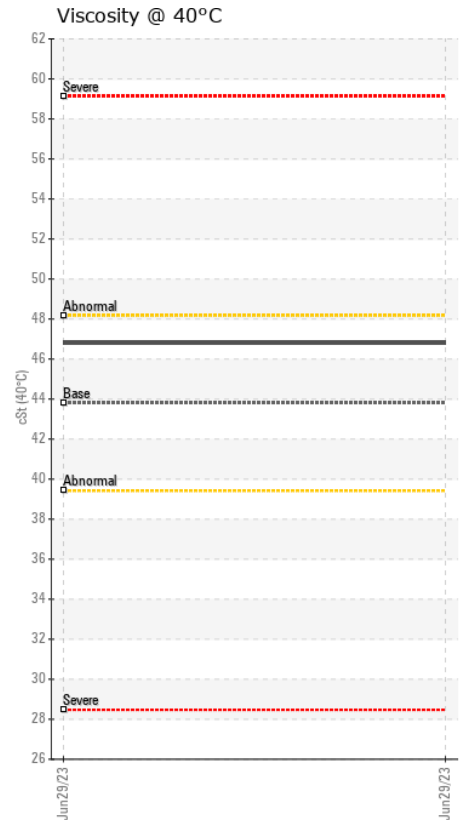
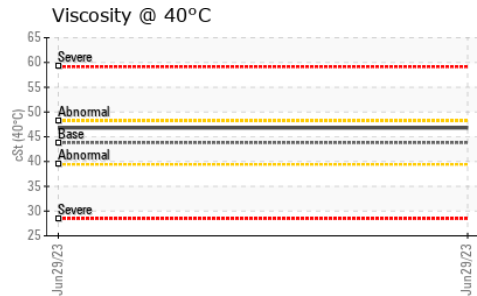
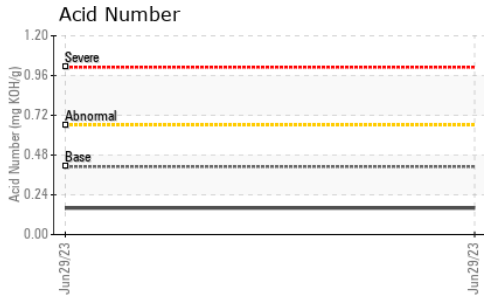
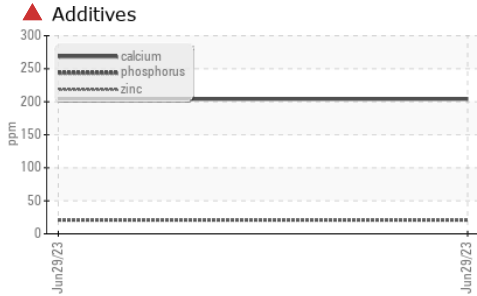
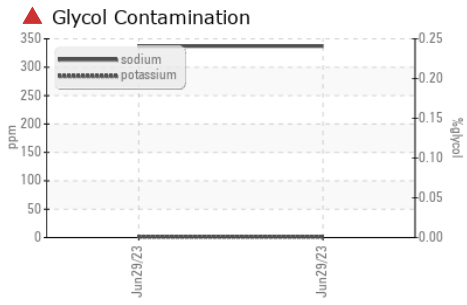
CONTAMINATION

There is no indication of any contamination in the component(unconfirmed).

FLUID CONDITION

Sodium ppm levels are severely high. Calcium ppm levels are severely high. Zinc ppm levels are notably high. Phosphorus ppm levels are notably low. Sulfur ppm levels are notably low. The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0647431	---	---
Sample Date		Client Info		29 Jun 2023	---	---
Machine Age	yrs	Client Info		20	---	---
Oil Age	yrs	Client Info		5	---	---
Filter Age	yrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185(m)	>200	<1	---	---
Chromium	ppm	ASTM D5185(m)	>21	0	---	---
Nickel	ppm	ASTM D5185(m)	>21	<1	---	---
Titanium	ppm	ASTM D5185(m)	>21	0	---	---
Silver	ppm	ASTM D5185(m)	>21	0	---	---
Aluminum	ppm	ASTM D5185(m)	>21	<1	---	---
Lead	ppm	ASTM D5185(m)	>21	0	---	---
Copper	ppm	ASTM D5185(m)	>21	<1	---	---
Tin	ppm	ASTM D5185(m)	>21	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>25	<1	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Water		WC Method	>0.0601	NEG	---	---
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*	>0.0601	NEG	---	---
Sodium	ppm	ASTM D5185(m)	>21	▲ 337	---	---
Boron	ppm	ASTM D5185(m)	5	3	---	---
Barium	ppm	ASTM D5185(m)	5	0	---	---
Molybdenum	ppm	ASTM D5185(m)	5	1	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	5	1	---	---
Calcium	ppm	ASTM D5185(m)	5	▲ 204	---	---
Phosphorus	ppm	ASTM D5185(m)	250	● 21	---	---
Zinc	ppm	ASTM D5185(m)	5	● 22	---	---
Sulfur	ppm	ASTM D5185(m)	3000	● 2062	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.41	0.16	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	43.8	46.8	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0647431 **Received** : 06 Jul 2023
Lab Number : 02568252 **Tested** : 06 Jul 2023
Unique Number : 5605298 **Diagnosed** : 07 Jul 2023 - Bill Quesnel
Test Package : IND 2 (Additional Tests: TAN Man)

CPI AUTOMATION
 62 MCBRINE PL #17
 KITCHENER, ON
 CA N2R 1H3
 Contact: Roger
 rogerm@cpiautomation.com
 T: (519)748-0600
 F: (519)748-2212

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.