



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id  
**1 CYLINDRE**  
 Component  
**Hydraulic System**  
 Fluid  
**APRIL SUPERFLO TDH PLUS (--- GAL)**

**RECOMMENDATION**

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

**WEAR**

All component wear rates are normal.

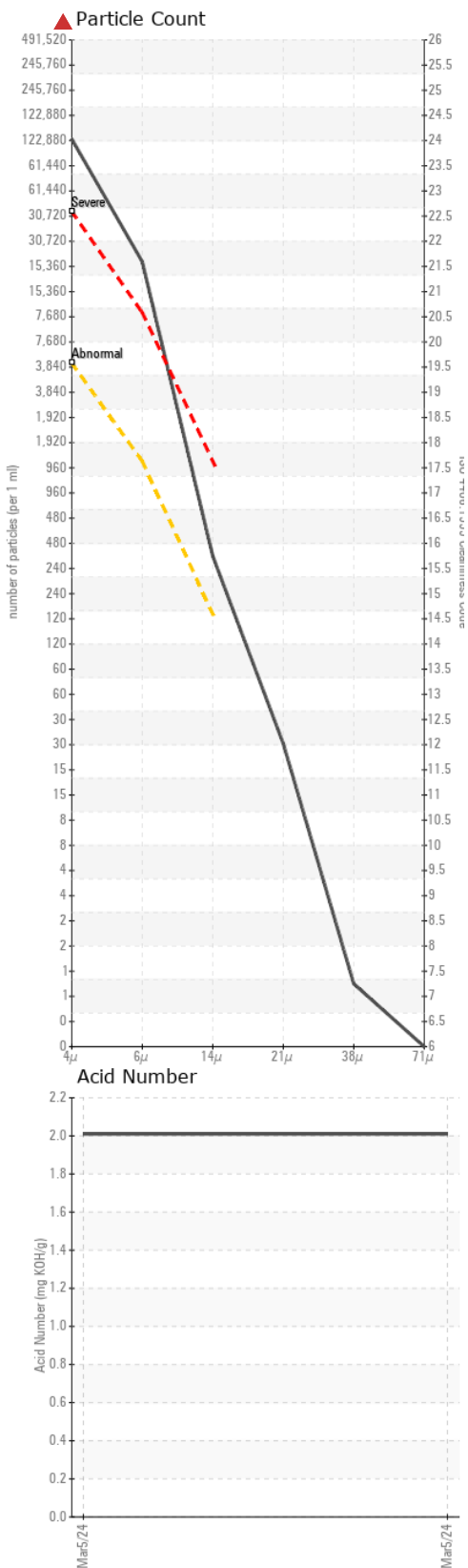
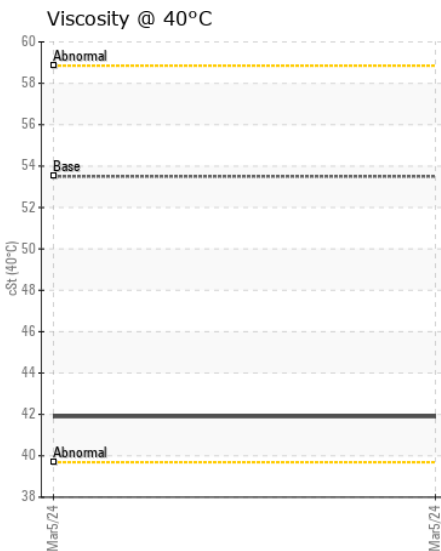
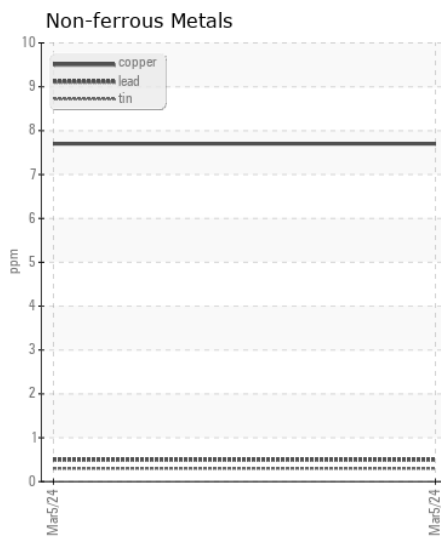
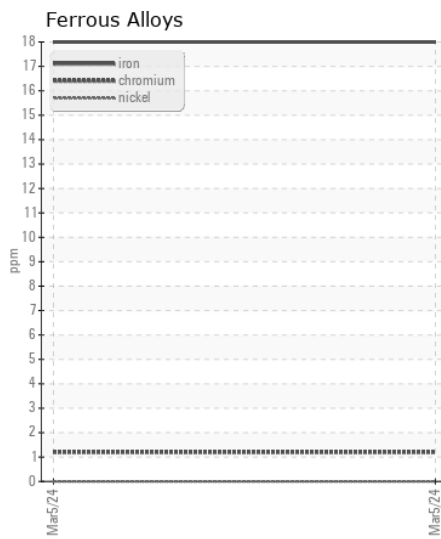
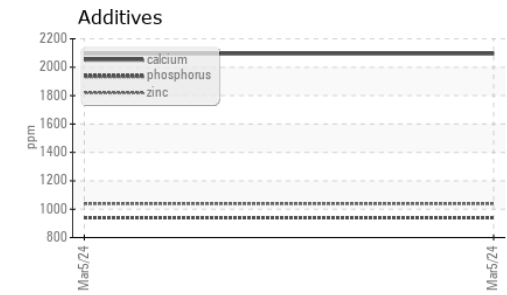
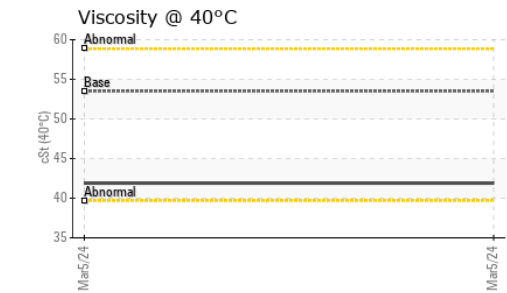
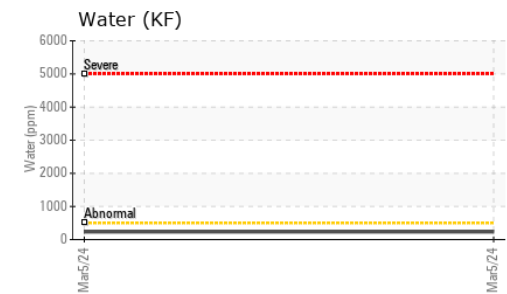
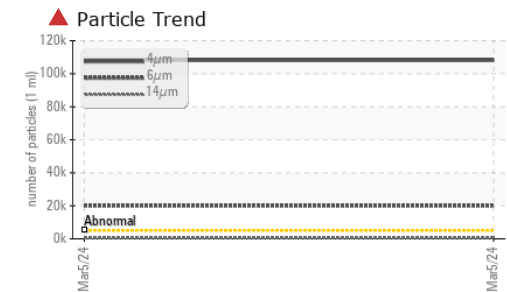
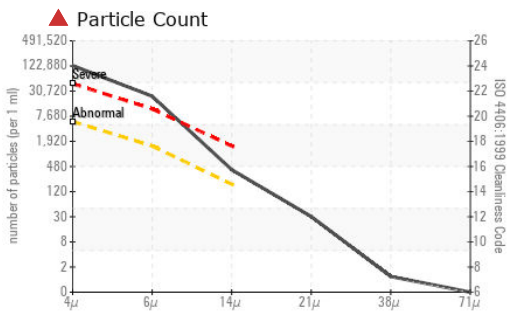
**CONTAMINATION**

There is a high amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

**FLUID CONDITION**

The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ST43481</b>	---	---
Sample Date		Client Info		<b>05 Mar 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>400</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>SEVERE</b>	---	---
<hr/>						
Iron	ppm	ASTM D5185(m)	>20	<b>18</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>20	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>20	<b>8</b>	---	---
Tin	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
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Silicon	ppm	ASTM D5185(m)	>15	<b>6</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---
Water	%	ASTM D6304*	>0.05	<b>0.023</b>	---	---
ppm Water	ppm	ASTM D6304*	>500	<b>233</b>	---	---
Particles >4µm		ASTM D7647	>5000	<b>▲ 108137</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>▲ 20067</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>▲ 354</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>27</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>1</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 24/22/16</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.05	<b>NEG</b>	---	---
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Sodium	ppm	ASTM D5185(m)		<b>2</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>17</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>3</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>65</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>2095</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>940</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>1038</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>2810</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>2.01</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	53.5	<b>41.9</b>	---	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : ST43481 **Received** : 06 Mar 2024  
**Lab Number** : 02620208 **Tested** : 07 Mar 2024  
**Unique Number** : 5737318 **Diagnosed** : 07 Mar 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )

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.

**UNI-DRAULIK**  
 2995, RUE KEPLER  
 STE-FOY, QC  
 CA G1X 3V4  
 Contact: Dominic Cloutier  
 dominic.cloutier@unidraulik.ca  
 T: (418)658-2995  
 F: (418)658-3282