



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
DANFOSS 1050TTM

Component
Hydrostatic

Fluid
CHEVRON HYDRAULIC OIL AW ISO 46 (200 LTR)

RECOMMENDATION

We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0773334	WC0773335	---
Sample Date		Client Info		01 Apr 2024	01 Feb 2024	---
Machine Age	hrs	Client Info		275	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ATTENTION	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	2	2	---
Chromium	ppm	ASTM D5185(m)	>10	0	0	---
Nickel	ppm	ASTM D5185(m)		0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>50	0	<1	---
Lead	ppm	ASTM D5185(m)	>50	0	0	---
Copper	ppm	ASTM D5185(m)	>200	3	2	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

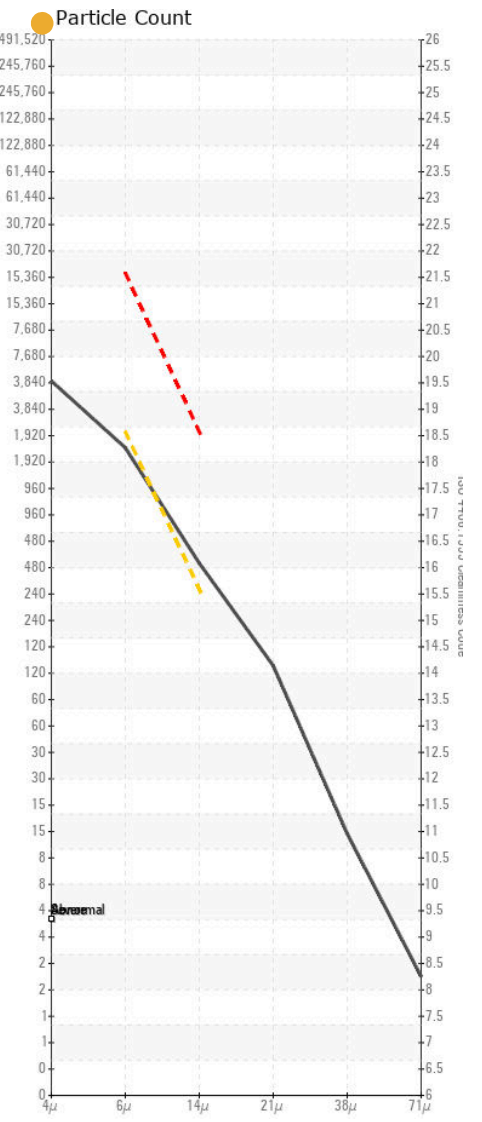
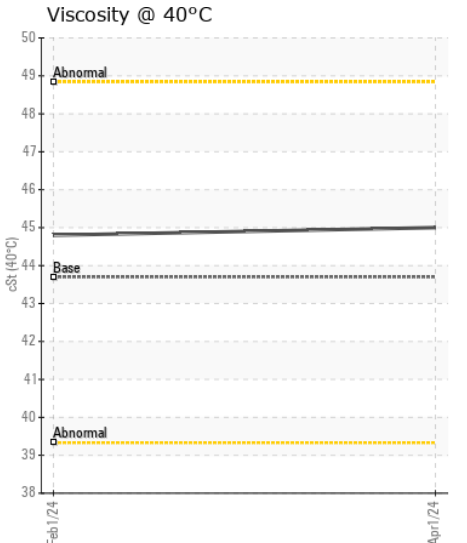
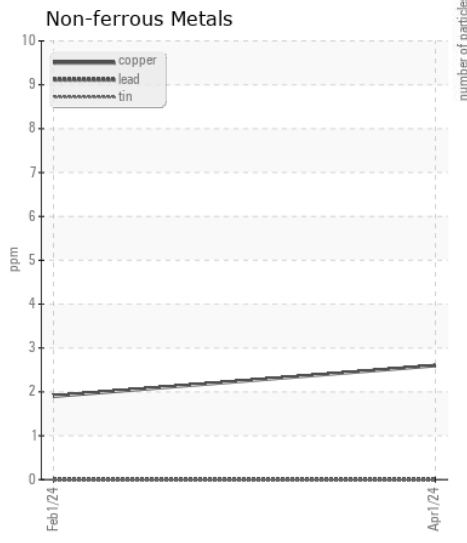
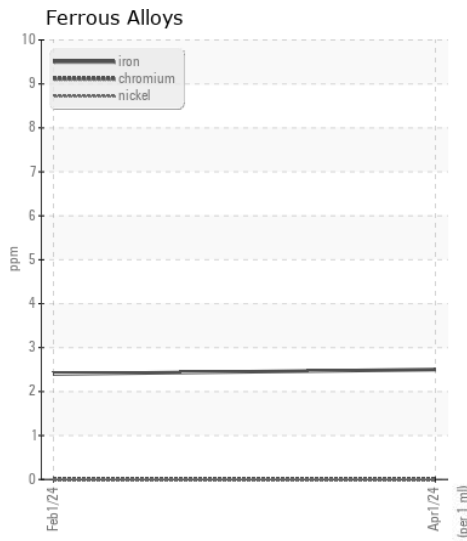
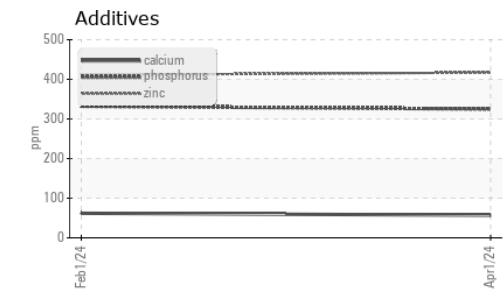
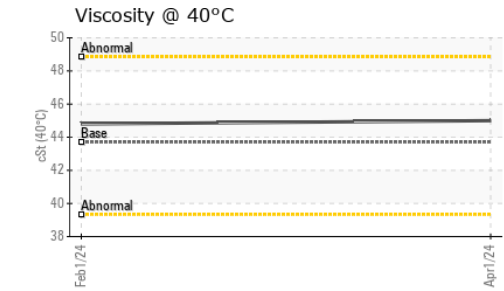
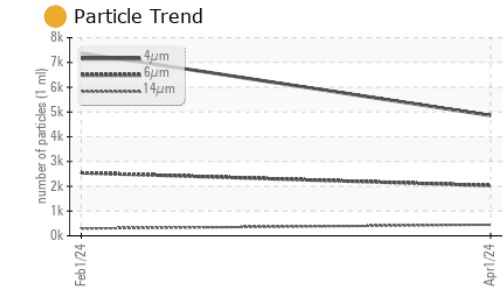
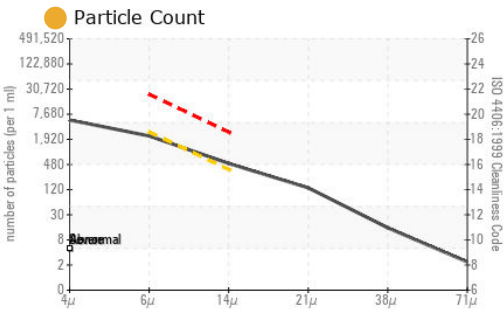
There is a light amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185(m)	>50	7	8	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647		4859	7381	---
Particles >6µm		ASTM D7647	>2500	2026	2542	---
Particles >14µm		ASTM D7647	>320	447	292	---
Particles >21µm		ASTM D7647	>80	117	57	---
Particles >38µm		ASTM D7647	>20	13	1	---
Particles >71µm		ASTM D7647	>4	2	0	---
Oil Cleanliness		ISO 4406 (c)	>-/18/15	19/18/16	20/19/15	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	.2%	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		0	0	---
Boron	ppm	ASTM D5185(m)		<1	<1	---
Barium	ppm	ASTM D5185(m)		<1	0	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		8	8	---
Calcium	ppm	ASTM D5185(m)		57	62	---
Phosphorus	ppm	ASTM D5185(m)		325	332	---
Zinc	ppm	ASTM D5185(m)		417	411	---
Sulfur	ppm	ASTM D5185(m)		719	768	---
Visc @ 40°C	cSt	ASTM D7279(m)	43.7	45.0	44.8	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0773334 **Received** : 09 Apr 2024
Lab Number : 02627721 **Tested** : 10 Apr 2024
Unique Number : 5760853 **Diagnosed** : 10 Apr 2024 - Wes Davis
Test Package : MOB 2

HILLRIDGE COLONY
 BOX # 181
 BARNWELL, AB
 CA T0K 0B0
 Contact:

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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