



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
HYSTER 7230 (S/N 561K)
Component
Hydraulic System
Fluid
UTF (--- QTS)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

The iron level is abnormal.

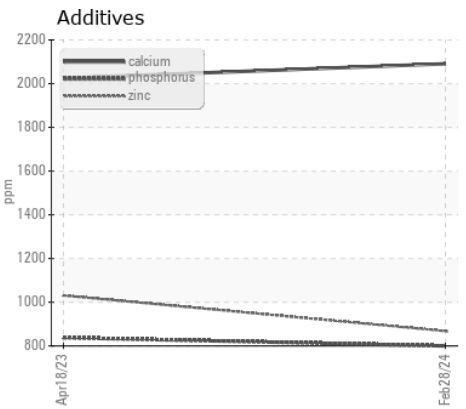
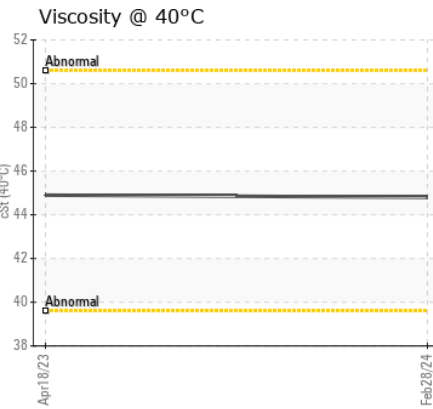
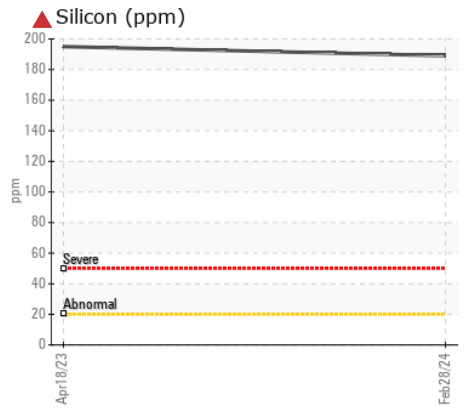
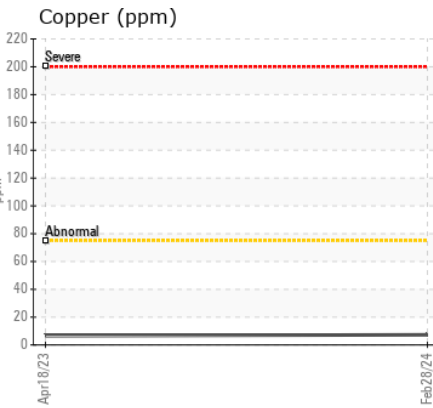
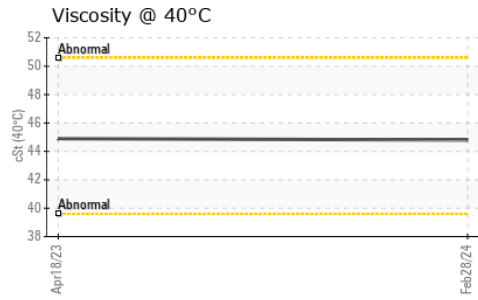
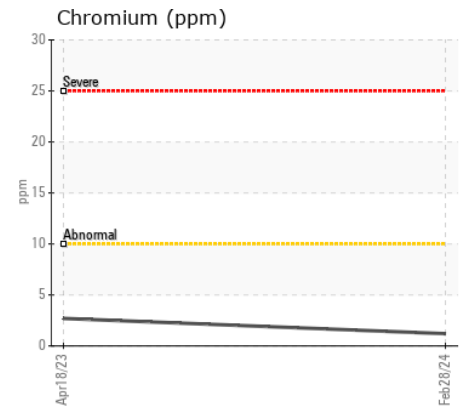
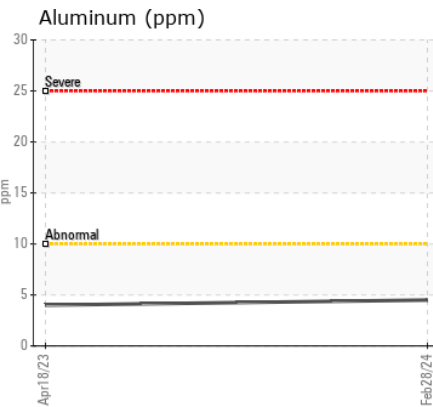
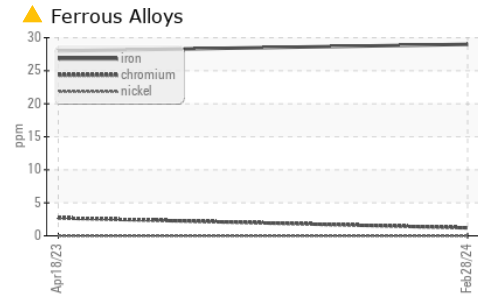
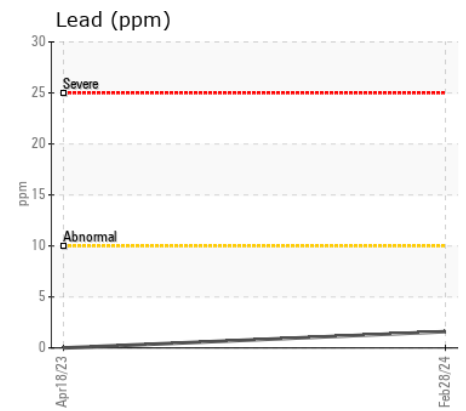
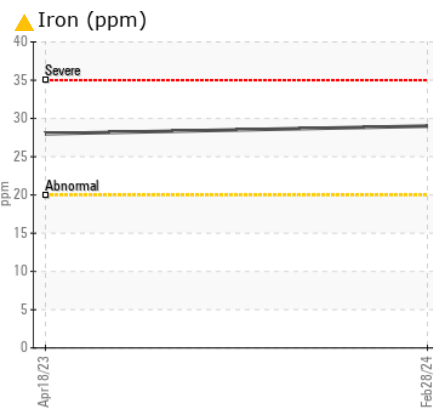
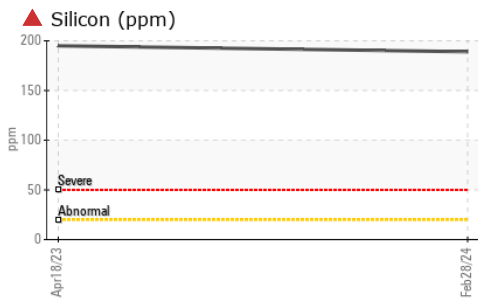
CONTAMINATION

Elemental level of silicon (Si) above normal indicating ingress of seal material.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0021575	DC0021630	---
Sample Date		Client Info		28 Feb 2024	18 Apr 2023	---
Machine Age	hrs	Client Info		3704	3650	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				SEVERE	SEVERE	---
Iron	ppm	ASTM D5185m	>20	▲ 29	▲ 28	---
Chromium	ppm	ASTM D5185m	>10	1	3	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	4	4	---
Lead	ppm	ASTM D5185m	>10	2	0	---
Copper	ppm	ASTM D5185m	>75	7	7	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>20	▲ 189	▲ 195	---
Potassium	ppm	ASTM D5185m	>20	0	<1	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185m		7	5	---
Boron	ppm	ASTM D5185m		57	59	---
Barium	ppm	ASTM D5185m		2	2	---
Molybdenum	ppm	ASTM D5185m		6	8	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		153	180	---
Calcium	ppm	ASTM D5185m		2091	2025	---
Phosphorus	ppm	ASTM D5185m		800	838	---
Zinc	ppm	ASTM D5185m		868	1031	---
Sulfur	ppm	ASTM D5185m		4540	5640	---
Visc @ 40°C	cSt	ASTM D445		44.8	44.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : DC0021575

Lab Number : 06158621

Unique Number : 10994044

Test Package : MOB 1

Received : 23 Apr 2024

Tested : 24 Apr 2024

Diagnosed : 25 Apr 2024 - Jonathan Hester

ABERDEEN PROVING GROUND

6721 RARITON AVENUE

ABERDEEN, MD

US 21005

Contact: TONY DAVIS

tdavis@vacranetworks.com

T: (410)688-1725

F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)