



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CP-SCOTTS-02
 Component
Hydraulic System
 Fluid
{not provided} (492 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0739309	WC0567378	WC0556292
Sample Date		Client Info		26 Sep 2023	10 May 2022	16 Feb 2021
Machine Age	hrs	Client Info		45462	0	36059
Oil Age	hrs	Client Info		0	39050	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	2	2	4
Chromium	ppm	ASTM D5185(m)	>20	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>20	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	0	<1	0
Lead	ppm	ASTM D5185(m)	>20	1	<1	1
Copper	ppm	ASTM D5185(m)	>20	10	9	19
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

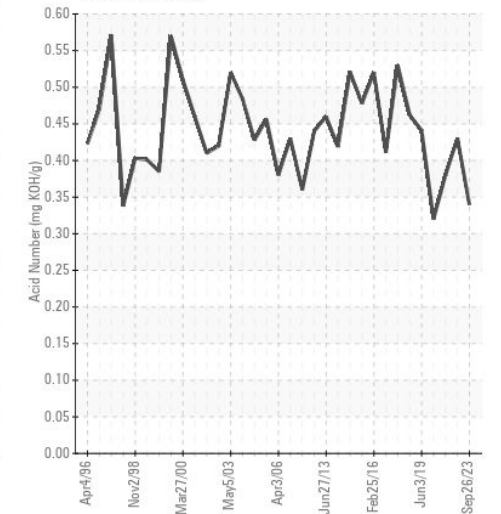
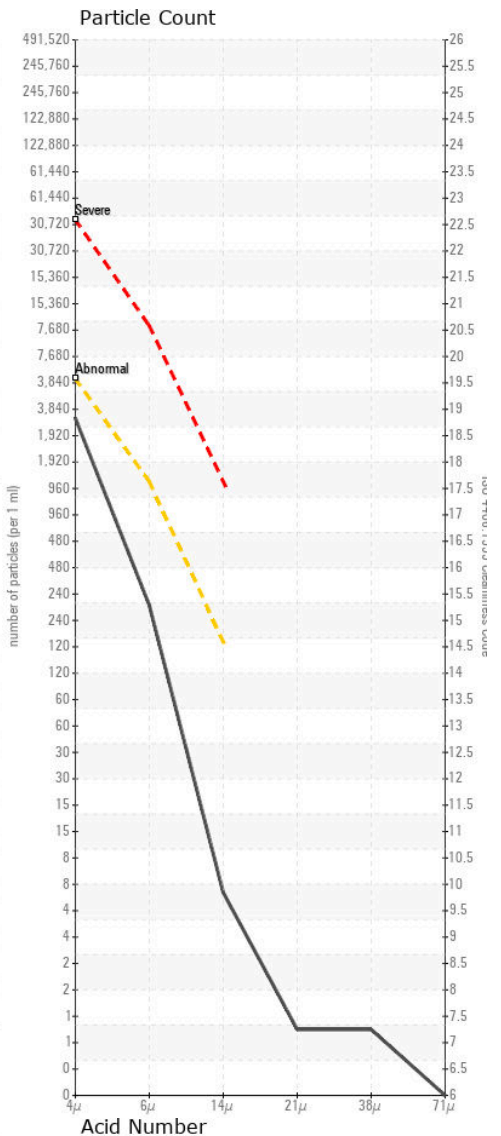
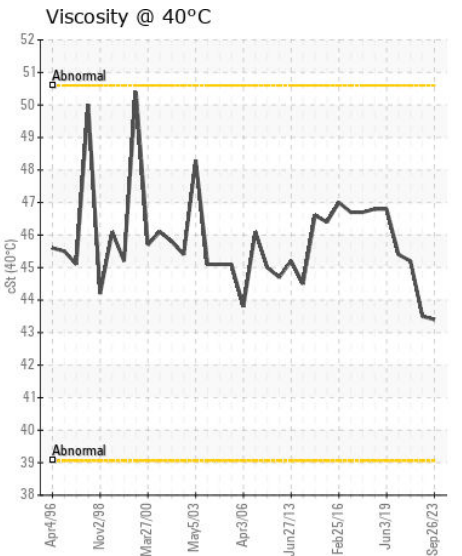
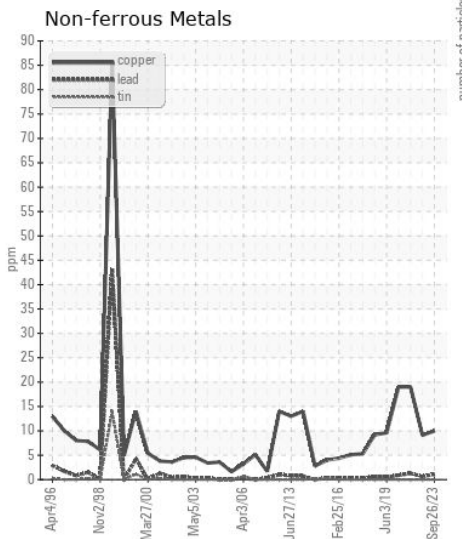
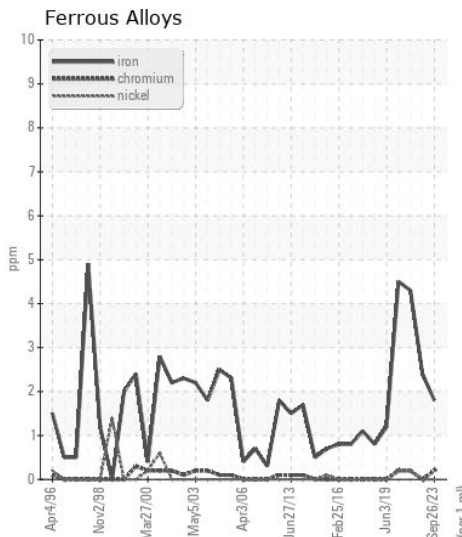
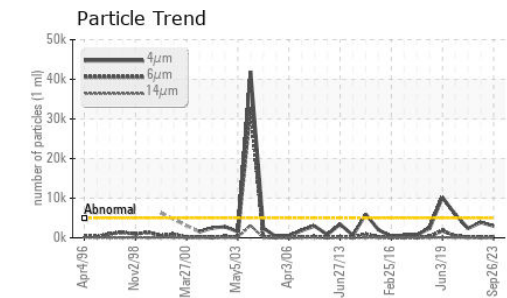
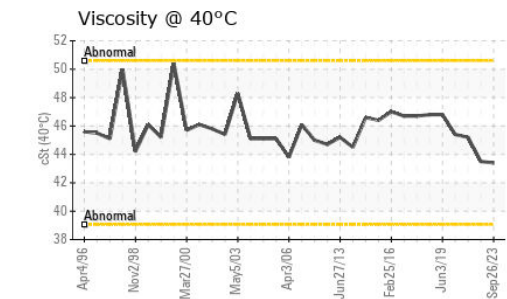
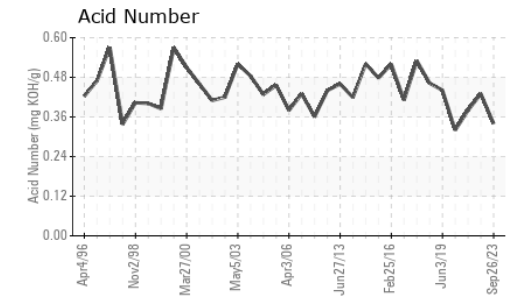
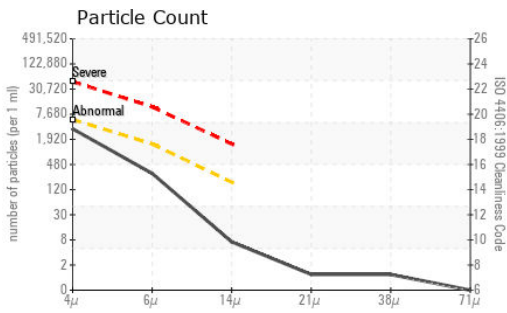
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>15	5	3	4
Potassium	ppm	ASTM D5185(m)	>20	<1	0	4
Water		WC Method	>0.05	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	2984	3890	2380
Particles >6µm		ASTM D7647	>1300	258	110	188
Particles >14µm		ASTM D7647	>160	6	6	13
Particles >21µm		ASTM D7647	>40	1	1	2
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/15/10	19/14/10	18/15/11
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<1	0	<1
Boron	ppm	ASTM D5185(m)		<1	<1	0
Barium	ppm	ASTM D5185(m)		<1	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)		<1	0	<1
Calcium	ppm	ASTM D5185(m)		42	42	26
Phosphorus	ppm	ASTM D5185(m)		372	374	324
Zinc	ppm	ASTM D5185(m)		371	453	377
Sulfur	ppm	ASTM D5185(m)		5014	5172	4125
Acid Number (AN)	mg KOH/g	ASTM D974*		0.34	0.43	0.38
Visc @ 40°C	cSt	ASTM D7279(m)		43.4	43.5	45.2



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0739309
Lab Number : 02587589
Unique Number : 5656655
Test Package : IND 2

Received : 06 Oct 2023
Tested : 10 Oct 2023
Diagnosed : 10 Oct 2023 - Wes Davis

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.

FREUDENBERG NOK
 65 SPRUCE STREET
 TILLSONBURG, ON
 CA N4G 4G7
 Contact: Joe Ostrowercha
 jmo@fnst.com
 T: (519)983-1271
 F: (519)842-8770