PLANT PetroCard MORE THAN JUST FUEL.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
NORTH PRESS
Component
Hydraulic System
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

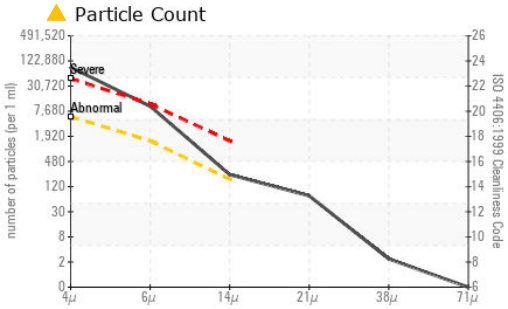
CONTAMINATION

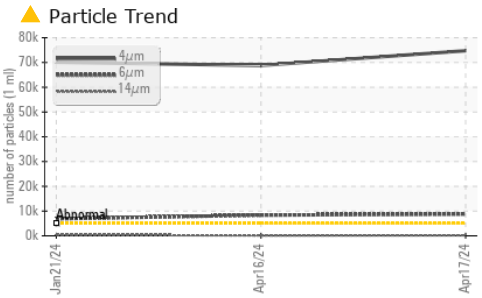
There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.

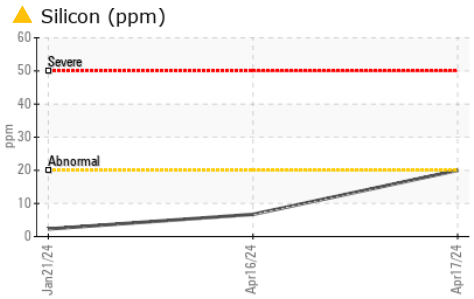
FLUID CONDITION

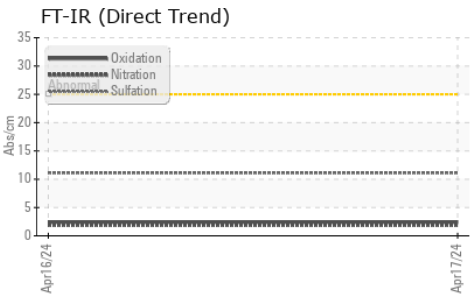
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

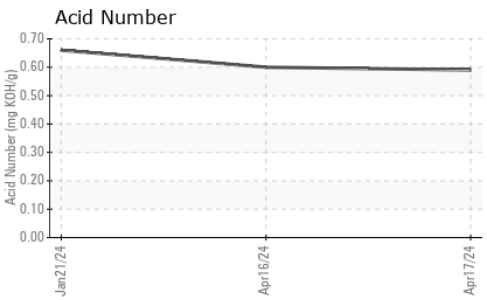
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0002641	PE0002640	PE0002634
Sample Date		Client Info		17 Apr 2024	16 Apr 2024	21 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
PQ		ASTM D8184		19	15	16
Iron	ppm	ASTM D5185m	>20	1	1	2
Chromium	ppm	ASTM D5185m	>10	<1	<1	2
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	2	2
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	2	2	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	▲ 20	7	2
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	*ASTM D7844		0	0	---
Nitration	Abs/cm	*ASTM D7624		1.9	1.9	---
Sulfation	Abs/.1mm	*ASTM D7415		11.1	11.1	---
Particles >4µm		ASTM D7647	>5000	▲ 74750	▲ 68790	▲ 70083
Particles >6µm		ASTM D7647	>1300	▲ 8793	▲ 8354	▲ 6870
Particles >14µm		ASTM D7647	>160	▲ 205	142	▲ 358
Particles >21µm		ASTM D7647	>40	▲ 64	39	▲ 136
Particles >38µm		ASTM D7647	>10	2	2	8
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 23/20/15	▲ 23/20/14	▲ 23/20/16
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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		<1	1	1
Boron	ppm	ASTM D5185m		4	5	6
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		186	182	221
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		23	45	28
Phosphorus	ppm	ASTM D5185m		497	507	480
Zinc	ppm	ASTM D5185m		481	489	484
Sulfur	ppm	ASTM D5185m		1564	1638	1495
Oxidation	Abs/.1mm	*ASTM D7414		2.4	2.4	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.59	0.60	0.66
Visc @ 40°C	cSt	ASTM D445		46.1	46.1	45.9

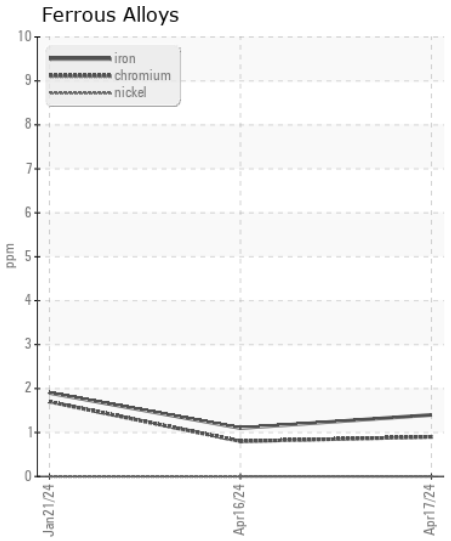


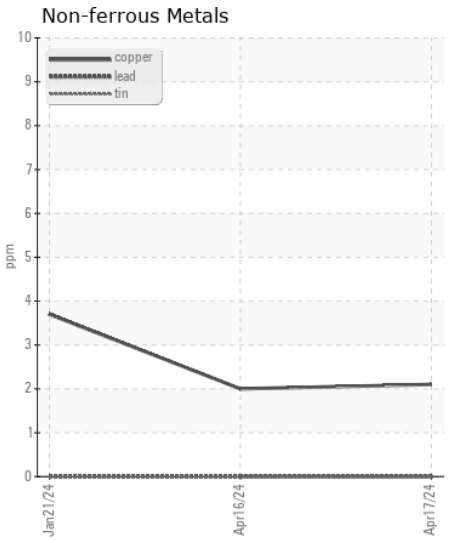


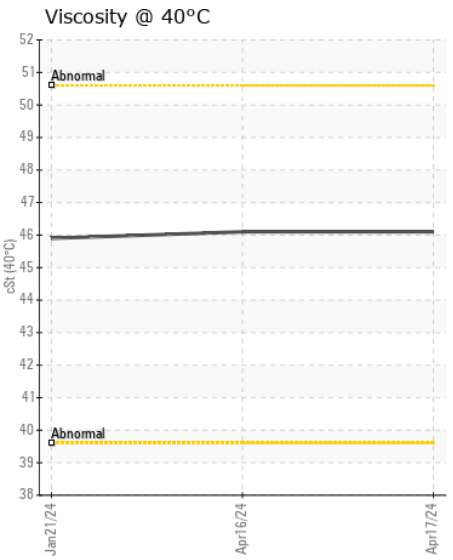


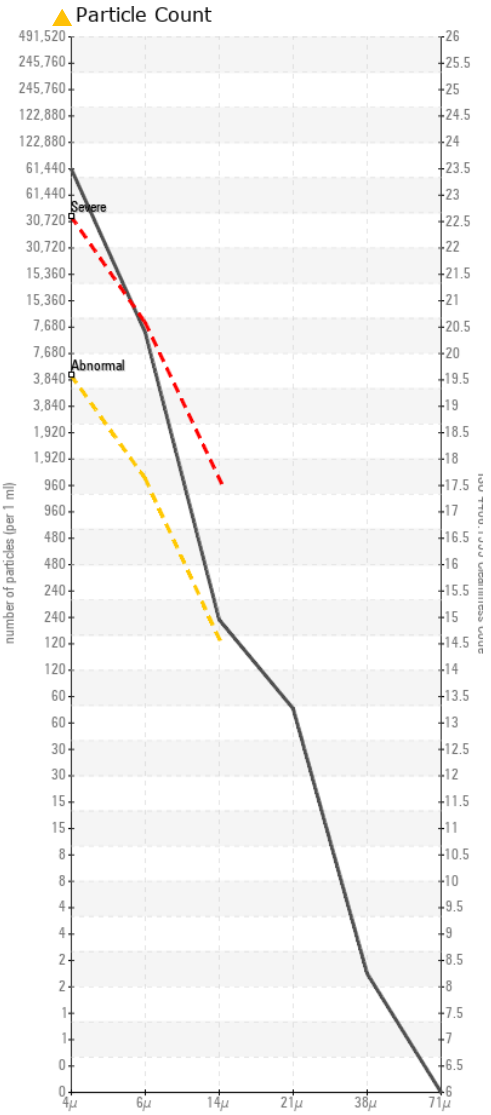


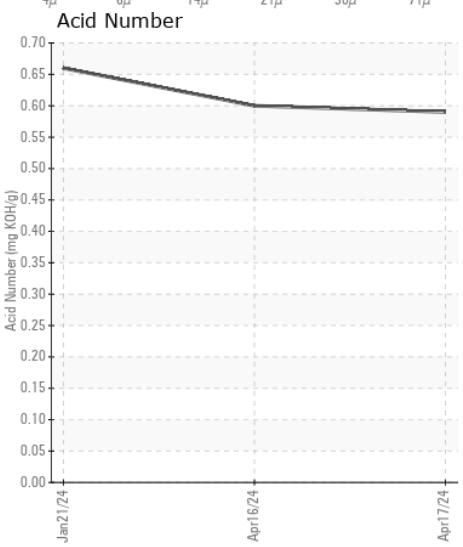












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0002641
Lab Number : 06161344
Unique Number : 10996767
Test Package : PLANT (Additional Tests: FT-IR, ICP, KV40, OxidationStability, PQ, PrtCount, SCREEN)

Received : 26 Apr 2024
Tested : 29 Apr 2024
Diagnosed : 30 Apr 2024 - Jonathan Hester

PRESSCO
4049 CARSON AVE HAZELGREEN RD NE
SALEM, OR
US 97305
Contact: Service Manager
T:
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)