



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
SOUTH PRESS
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0002659	PE0002658	PE0002657
Sample Date		Client Info		30 Jun 2024	20 Jun 2024	05 Jun 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				NORMAL	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		14	19	15
Iron	ppm	ASTM D5185m	>20	<1	3	2
Chromium	ppm	ASTM D5185m	>20	<1	1	<1
Nickel	ppm	ASTM D5185m	>20	<1	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>20	2	3	<1
Lead	ppm	ASTM D5185m	>20	<1	1	0
Copper	ppm	ASTM D5185m	>20	9	11	10
Tin	ppm	ASTM D5185m	>20	<1	1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

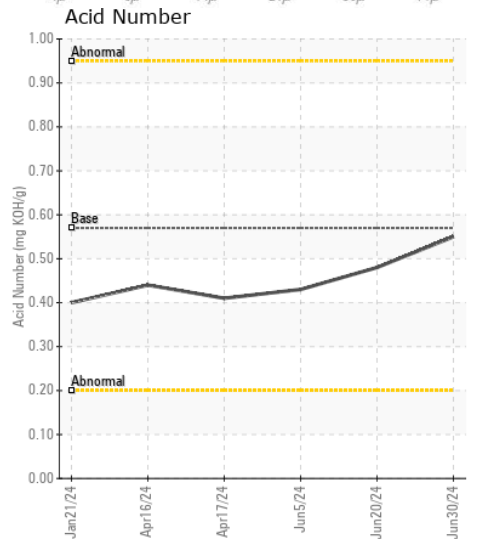
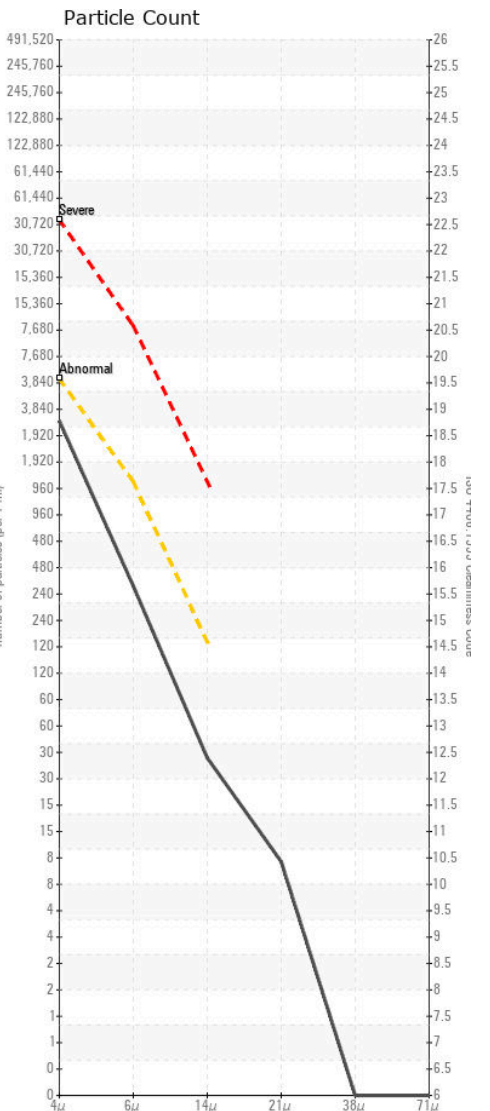
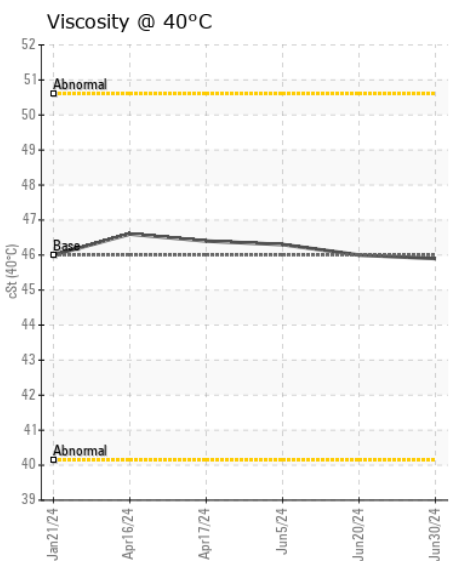
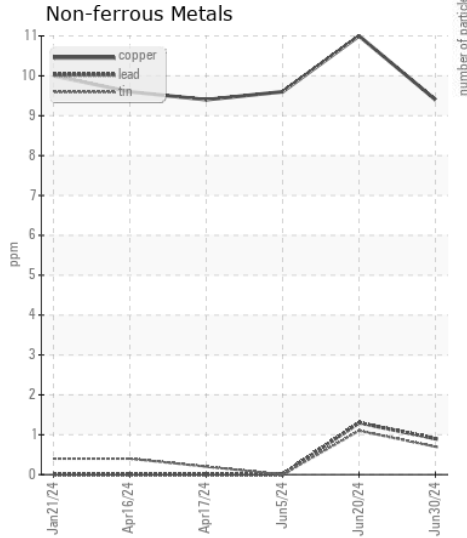
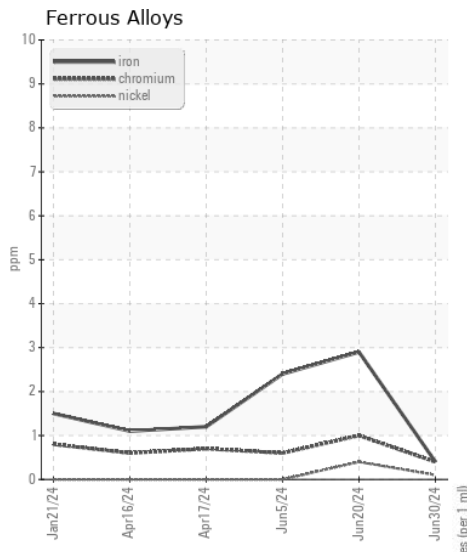
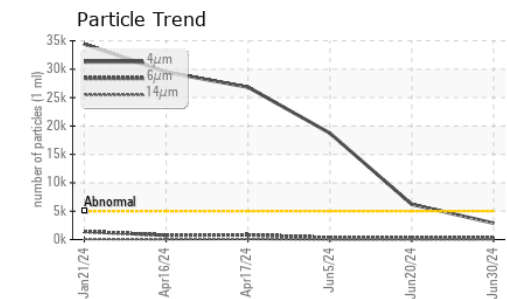
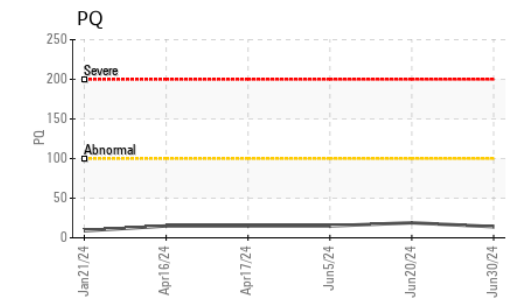
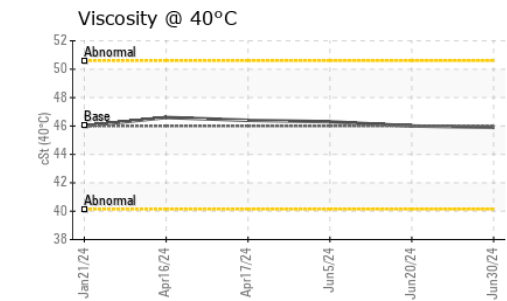
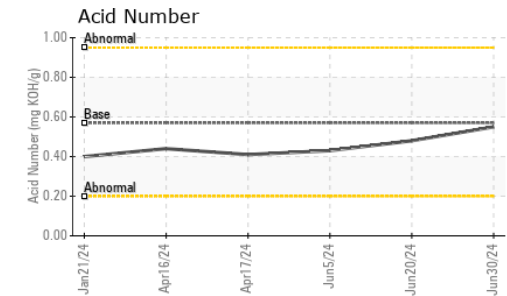
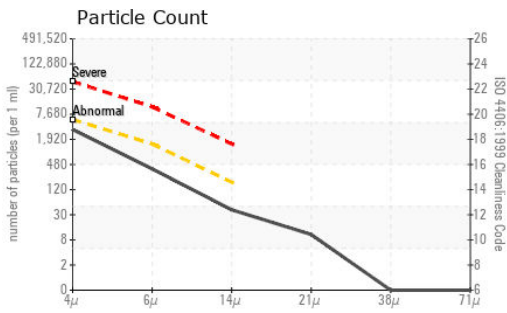
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>15	4	5	3
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water		WC Method	>0.05	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	2883	6201	18741
Particles >6µm		ASTM D7647	>1300	332	208	309
Particles >14µm		ASTM D7647	>160	35	10	7
Particles >21µm		ASTM D7647	>40	9	2	1
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/12	20/15/10	21/15/10
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 D5185m		0	0	1
Boron	ppm	ASTM D5185m	5	2	5	<1
Barium	ppm	ASTM D5185m	5	0	2	0
Molybdenum	ppm	ASTM D5185m	5	90	86	82
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	25	0	6	1
Calcium	ppm	ASTM D5185m	200	53	170	125
Phosphorus	ppm	ASTM D5185m	300	494	494	441
Zinc	ppm	ASTM D5185m	370	549	522	469
Sulfur	ppm	ASTM D5185m	2500	1445	1476	1339
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.55	0.48	0.43
Visc @ 40°C	cSt	ASTM D445	46	45.9	46.0	46.3



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0002659
Lab Number : 06224428
Unique Number : 11102625
Test Package : PLANT (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)

PRESCO
 4049 CARSON AVE HAZELGREEN RD NE
 SALEM, OR
 US 97305
 Contact: Service Manager

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)

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