



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
GUAY SON [CONHER]
Machine Id
PISA 4 SH - Pacifico Industrial
Component
Hydraulic System
Fluid
QUAKER STATE DUPLEX AW HYDRAULIC 68 (1000 LTR)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data update for water content. (Customer Sample Comment: Sample taken at 5:30 PM (4 hours after filtration))

WEAR

All component wear rates are normal.

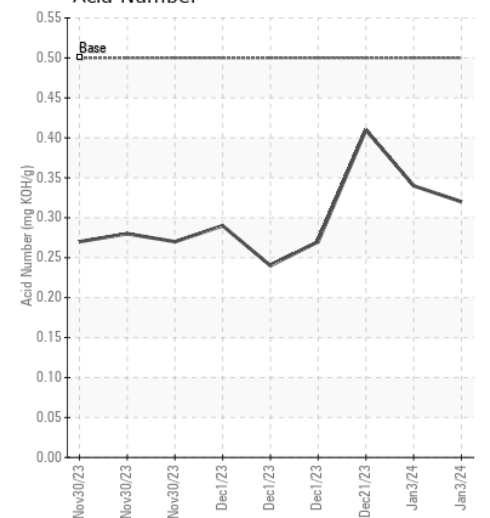
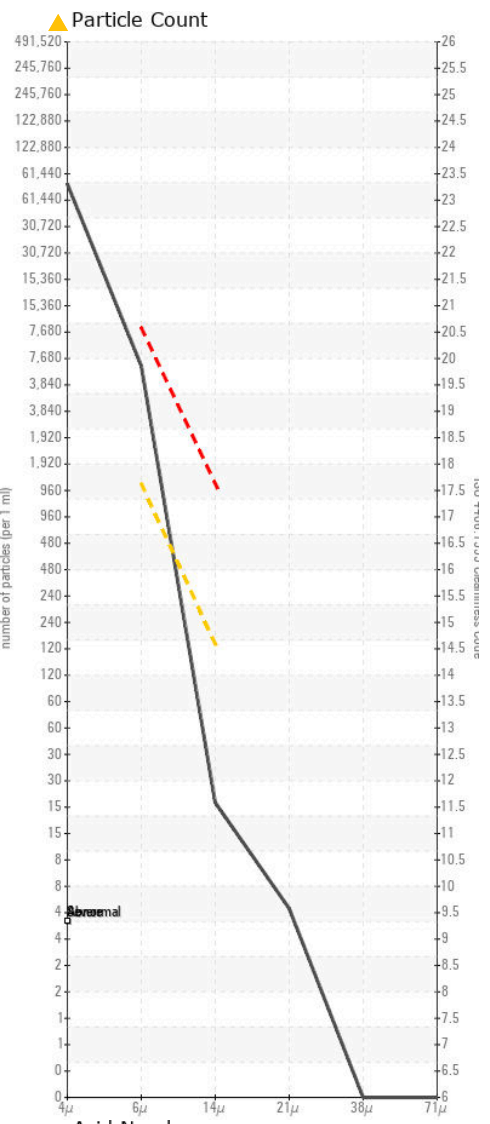
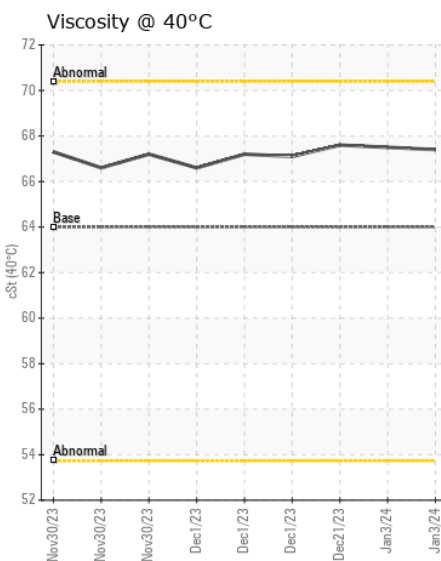
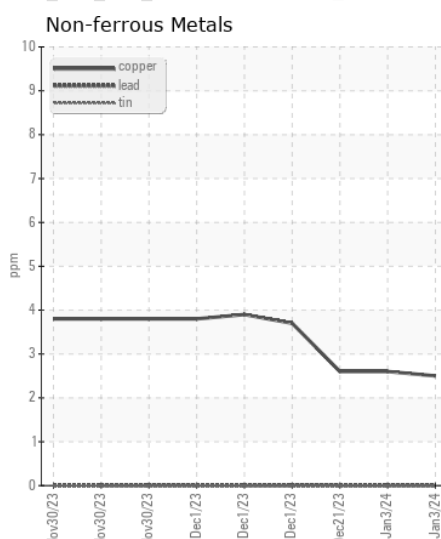
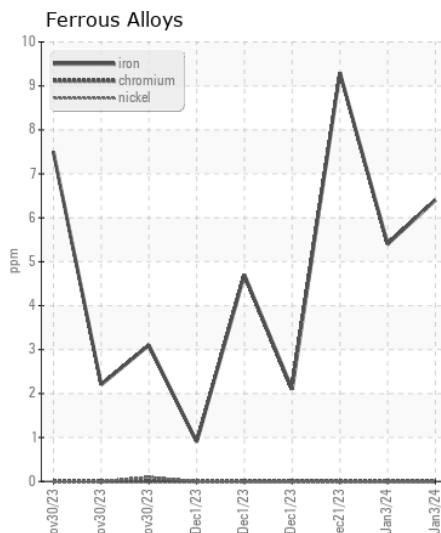
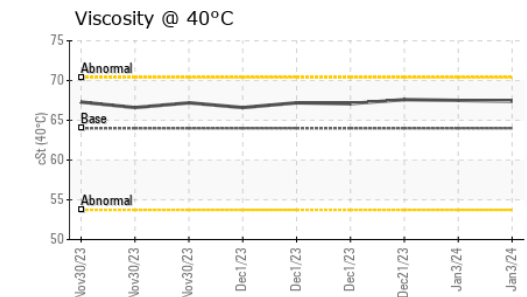
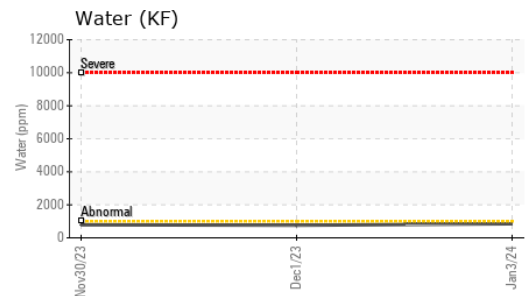
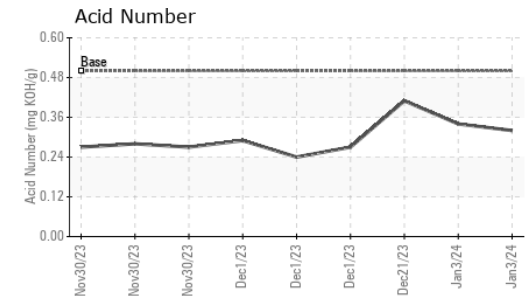
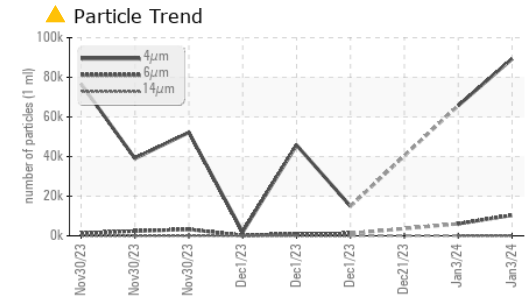
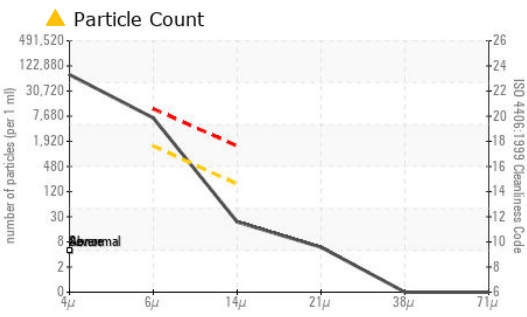
CONTAMINATION

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

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		KL0013455	KL0013453	KL0013450
Sample Date		Client Info		03 Jan 2024	03 Jan 2024	21 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		4	4	3
Filter Age	hrs	Client Info		4	4	3
Oil Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Filter Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>20	5	6	9
Chromium	ppm	ASTM D5185m	>10	0	0	0
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	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	3	2	3
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	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
Water	%	ASTM D6304	>0.1	0.085	---	---
ppm Water	ppm	ASTM D6304	>1000	850	---	---
Particles >4µm		ASTM D7647		65713	89300	---
Particles >6µm		ASTM D7647	>1300	6075	10431	---
Particles >14µm		ASTM D7647	>160	20	18	---
Particles >21µm		ASTM D7647	>40	5	4	---
Particles >38µm		ASTM D7647	>10	0	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>17/14	20/11	21/11	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	MODER
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		12	13	21
Boron	ppm	ASTM D5185m	4.0	0	0	0
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	0.1	0	0	0
Calcium	ppm	ASTM D5185m	54	12	13	13
Phosphorus	ppm	ASTM D5185m	272	343	338	342
Zinc	ppm	ASTM D5185m	357	325	329	341
Sulfur	ppm	ASTM D5185m	2434	1425	1418	1423
Acid Number (AN)	mg KOH/g	ASTM D8045	0.5	0.32	0.34	0.41
Visc @ 40°C	cSt	ASTM D445	64	67.4	67.5	67.6



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0013455 **Received** : 09 Jan 2024
Lab Number : 06055875 **Diagnosed** : 12 Jan 2024
Unique Number : 10821824 **Diagnostician** : Doug Bogart
Test Package : MOB 2 (Additional Tests: KF)

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Certificate L2367
 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)