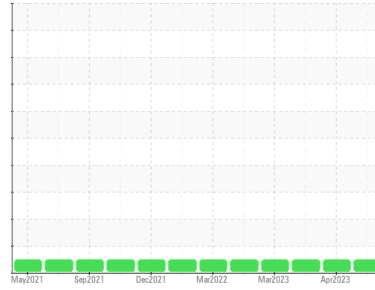




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
GUAY SON/Yavaros [CONHER]
 Machine Id
Pacifico Ind - Pisa1 HS

Component
Hydraulic System
 Fluid
QUAKER STATE DUPLEX AW HYDRAULIC 68 (1200 LTR)

DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

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

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	KL0012374	KL0012347	KL0012333
Sample Date	Client Info	31 May 2023	26 Apr 2023	15 Apr 2023
Machine Age	mths Client Info	0	0	0
Oil Age	mths Client Info	30	30	29
Oil Changed	Client Info	Not Changed	Not Changed	Not Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	4	5	5
Chromium	ppm ASTM D5185m >10	0	<1	0
Nickel	ppm ASTM D5185m >10	0	<1	0
Titanium	ppm ASTM D5185m	<1	0	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >10	<1	0	0
Lead	ppm ASTM D5185m >10	0	1	0
Copper	ppm ASTM D5185m >75	2	1	2
Tin	ppm ASTM D5185m >10	0	0	0
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
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	<1	0
Manganese	ppm ASTM D5185m	<1	<1	<1
Magnesium	ppm ASTM D5185m 0.1	0	3	1
Calcium	ppm ASTM D5185m 54	29	27	31
Phosphorus	ppm ASTM D5185m 272	196	182	192
Zinc	ppm ASTM D5185m 357	213	207	220
Sulfur	ppm ASTM D5185m 2434	2610	2530	2534

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<1	<1	<1
Sodium	ppm ASTM D5185m	6	10	5
Potassium	ppm ASTM D5185m >20	0	2	0

FLUID CLEANLINESS

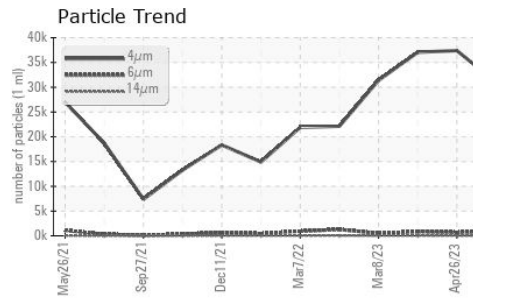
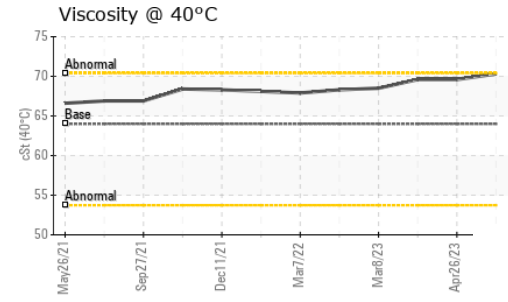
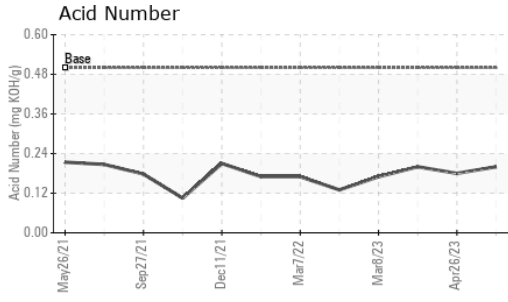
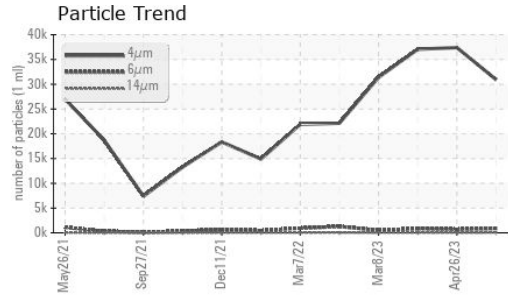
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	30927	37403	37064
Particles >6µm	ASTM D7647 >1300	879	701	840
Particles >14µm	ASTM D7647 >160	61	17	25
Particles >21µm	ASTM D7647 >40	12	5	6
Particles >38µm	ASTM D7647 >10	1	1	0
Particles >71µm	ASTM D7647 >3	0	0	0
Oil Cleanliness	ISO 4406 (c) >17/14	17/13	17/11	17/12

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.5	0.20	0.18	0.20



OIL ANALYSIS REPORT

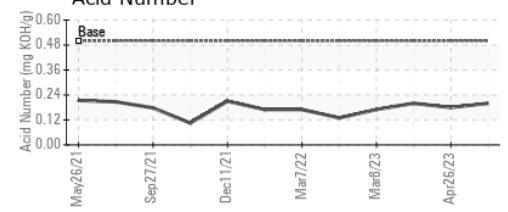
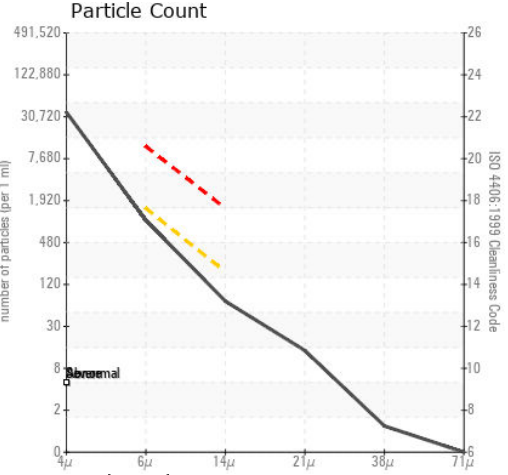
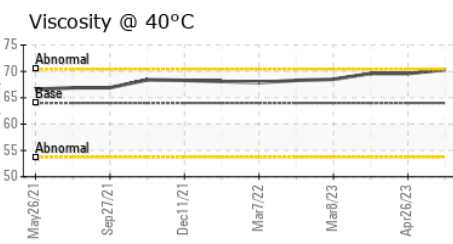
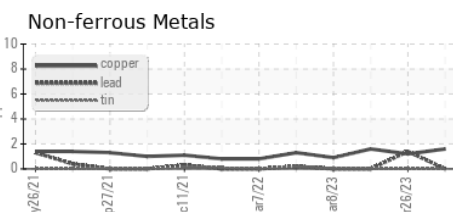
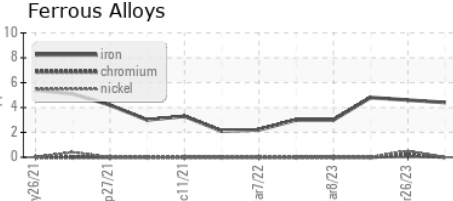


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 64	70.3	69.6	69.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0012374 **Recieved** : 09 Jun 2023
Lab Number : 05870261 **Diagnosed** : 13 Jun 2023
Unique Number : 10510045 **Diagnostician** : Don Baldrige
Test Package : MOB 2

CONOR
 JUAREZ 348
 HERMOSILLO,
 MX 83140
 Contact: EDUARDO GARCIA
 egarcia.comsa@gmail.com
 T: (526)622-1581 x:81
 F: x:

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)