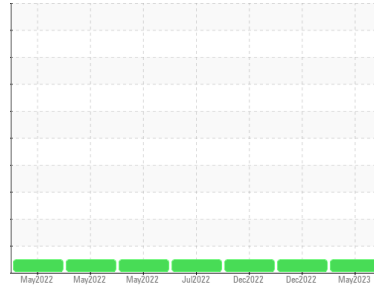




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
GUAY SON [CONHER]
 Machine Id
Base Line IBACO XTRA REV 15W-40
 Component
New (Unused) Oil
 Fluid
Xtra Rev 15W-40 (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample. (Customer Sample Comment: Batch #22237)

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			KL0012370	KL0011290	KL0011289
Sample Date	Client Info			31 May 2023	02 Dec 2022	02 Dec 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		<1	1	1
Chromium	ppm	ASTM D5185m		0	<1	<1
Nickel	ppm	ASTM D5185m		0	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	5
Aluminum	ppm	ASTM D5185m		<1	3	3
Lead	ppm	ASTM D5185m		0	<1	1
Copper	ppm	ASTM D5185m		0	<1	<1
Tin	ppm	ASTM D5185m		0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	2	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		4	10	11
Calcium	ppm	ASTM D5185m		2934	3078	2826
Phosphorus	ppm	ASTM D5185m		1215	1262	1178
Zinc	ppm	ASTM D5185m		1494	1530	1412
Sulfur	ppm	ASTM D5185m		4370	4270	3938

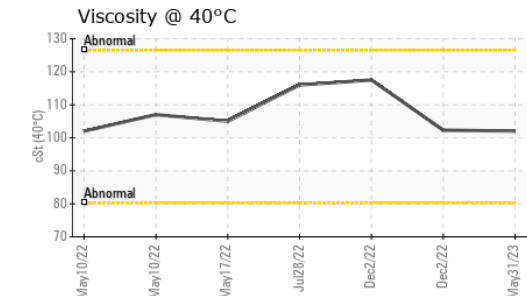
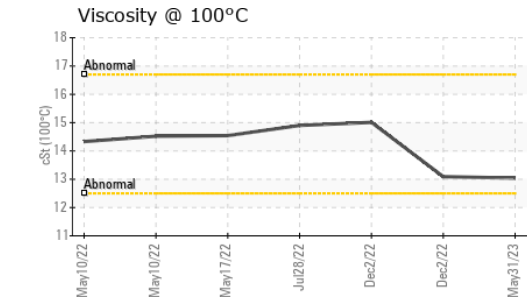
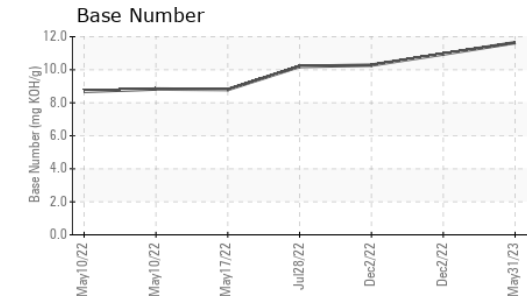
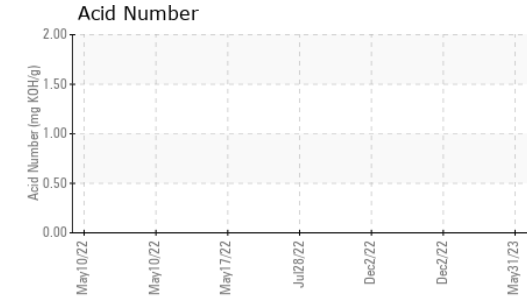
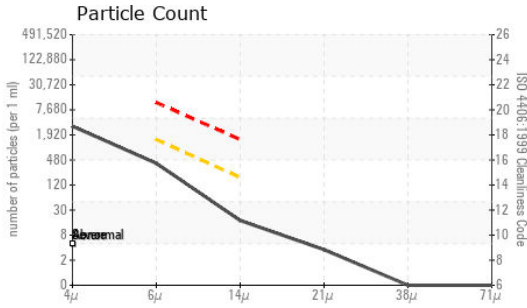
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		6	6	6
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	4	6	6

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		---	---	---
Nitration	Abs/cm	*ASTM D7624		---	---	---
Sulfation	Abs/.1mm	*ASTM D7415		---	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2711	2216	4043
Particles >6µm		ASTM D7647	>1300	351	300	865
Particles >14µm		ASTM D7647	>160	15	6	6
Particles >21µm		ASTM D7647	>40	3	1	1
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/14	16/11	15/10	17/10



OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	*ASTM D7414		---	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.81	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		11.64	10.95	10.28

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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		NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		102	102.3	117.5
Visc @ 100°C	cSt	ASTM D445		13.04	13.09	15.01
Viscosity Index (VI)	Scale	ASTM D2270		124	124	132

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0012370 **Received** : 09 Jun 2023
Lab Number : **05870263** **Diagnosed** : 15 Jun 2023
Unique Number : 10510047 **Diagnostician** : Jonathan Hester
Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TBN,

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)