

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

GUAY SON [CONHER] BM NAINARI 2602004123-4 - IBACO BM NAINARI

Component

XTRA REV 15W40 (160 LTR)

Diesel Engine

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		ct2018 De	c2018 Dec2019 O	t2020 Feb 2021 Oct2022	Apr2023	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0012858	KL0012321	KL0010236
Sample Date		Client Info		21 Sep 2023	05 Apr 2023	22 Feb 2023
Machine Age	hrs	Client Info		18621	18619	18272
Oil Age	hrs	Client Info		2	347	907
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	ATTENTION	SEVERE
CONTAMINATION	I	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<u>4.2</u>	8.4
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	2	6	13
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	<1	1
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	<1	<1	2
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		<1	3	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		4	14	4
Calcium	ppm	ASTM D5185m		2669	2526	2942
Phosphorus	ppm	ASTM D5185m		1164	966	1190
Zinc	ppm	ASTM D5185m		1429	1208	1407
Sulfur	ppm	ASTM D5185m		3942	4344	4215
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	3	8
Sodium	ppm	ASTM D5185m	00	0	0	1
Potassium	ppm	ASTM D5185m	>20	4	2	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0	0.1	0.2
Nitration	Abs/cm	*ASTM D7624		3.9	7.3	8.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	12.2	16.4	16.6



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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 05964770 : 10671321 Test Package : MOB 2 (Additional Tests: PrtCount)

: KL0012858

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

Diagnostician

: 29 Sep 2023 : 03 Oct 2023 : Jonathan Hester

MX 83140 Contact: EDUARDO GARCIA egarcia.comsa@gmail.com

T: (526)622-1581 x:81

* - 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)

F: x:

CONOR

JUAREZ 348

HERMOSILLO.