

OIL ANALYSIS REPORT

Sample Rating Trend

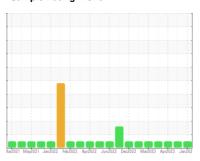
NORMAL



GUAY SON [CONHER] CATERPILLAR Nova del Mar - Chuchin Aux

Component **Diesel Engine**

PHILLIPS 66 15W40 (60 LTR)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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.

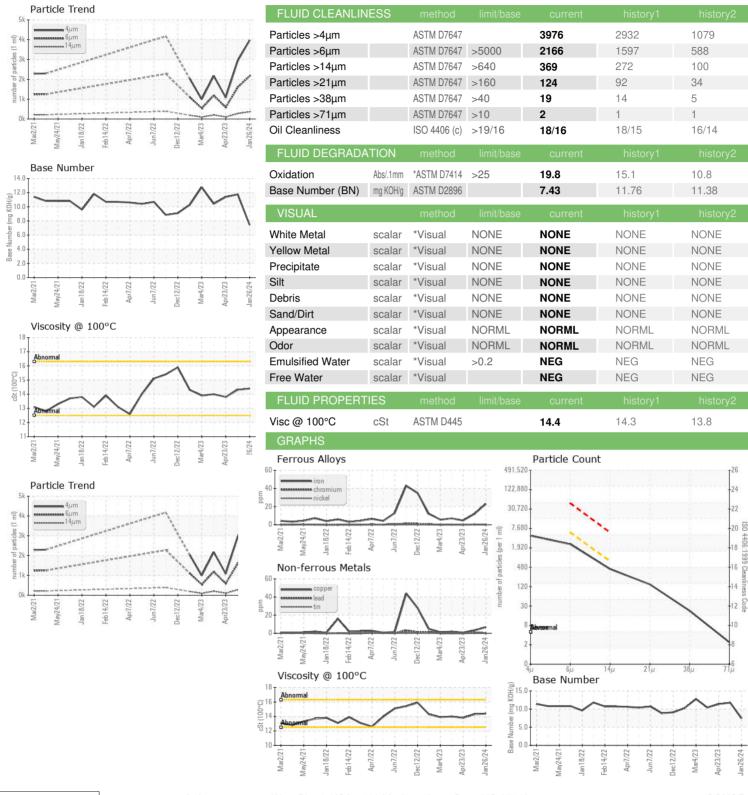
Fluid Condition

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

600 LIH)						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date		Client Info		KL0013467 26 Jan 2024	KL0012381 21 Jun 2023	KL0012355
•	lawa	Client Info				23 Apr 2023
Machine Age	hrs			0	0	0
Oil Age	hrs	Client Info		350	436	
Oil Changed		Client Info		Changed	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	23	12	5
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	0
Lead	ppm	ASTM D5185m	>40	<1	<1	0
Copper	ppm	ASTM D5185m	>330	7	3	<1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
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		39	2	2
Barium	ppm	ASTM D5185m		<1	0	1
Molybdenum	ppm	ASTM D5185m		3	2	2
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		376	32	30
Calcium	ppm	ASTM D5185m		2847	4002	3712
Phosphorus	ppm	ASTM D5185m		1142	1040	1032
Zinc	ppm	ASTM D5185m		1337	1307	1226
Sulfur	ppm	ASTM D5185m		4641	5003	4471
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	4	3
Sodium	ppm	ASTM D5185m		2	4	5
Potassium	ppm	ASTM D5185m	>20	8	3	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	11.2	9.8	7.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.3	21.5	16.9



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 30 Jan 2024 : KL0013467 Recieved Diagnosed : 02 Feb 2024 : 06075005 : 10857096 Diagnostician : Jonathan Hester

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

CONOR JUAREZ 348 HERMOSILLO.

MX 83140 Contact: EDUARDO GARCIA

egarcia.comsa@gmail.com

T: (526)622-1581 x:81 F: x: