

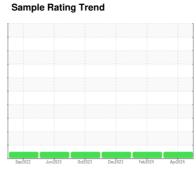
OIL ANALYSIS REPORT

Nickelson

Sany SY365 SY036MCB00618 Nickelson

Diesel Engine

CITGO 15W40 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

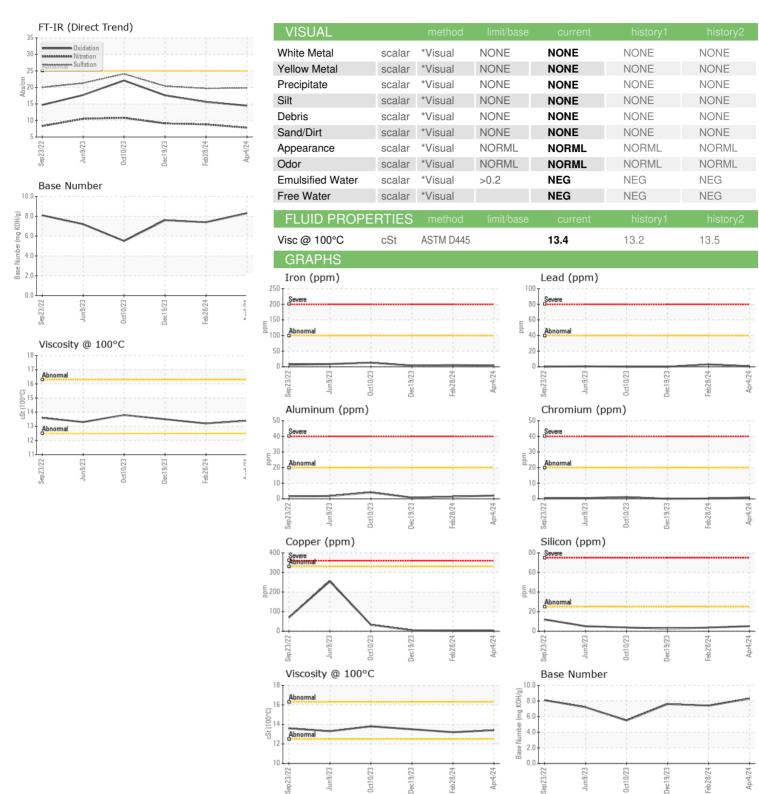
Fluid Condition

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

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0115501	LW0008310	LW0008241
Sample Date		Client Info		04 Apr 2024	28 Feb 2024	19 Dec 2023
Machine Age	hrs	Client Info		2845	2576	2158
Oil Age	hrs	Client Info		2845	2576	2158
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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 METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	4	5	4
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	1	<1
Lead	ppm	ASTM D5185m	>40	<1	3	0
Copper	ppm	ASTM D5185m	>330	2	2	5
Tin	ppm	ASTM D5185m	>15	1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		63	50	38
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		32	39	35
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		595	597	617
Calcium	ppm	ASTM D5185m		1377	1542	1499
Phosphorus	ppm	ASTM D5185m		1009	1060	906
Zinc	ppm	ASTM D5185m		1155	1225	1151
Sulfur	ppm	ASTM D5185m		3641	3654	2961
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	4	3
Sodium	ppm	ASTM D5185m		4	3	4
Potassium	ppm	ASTM D5185m	>20	4	<1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	7.8	8.8	9.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	19.7	20.4
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.5	15.6	17.6
Base Number (BN)	mg KOH/g	ASTM D2896		8.3	7.4	7.6
= 200 . Tallibor (DIV)	91101119	. 10 . 111 DE000		5.5		



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0115501 Lab Number : 06142881

Unique Number: 10967689 Test Package : MOB 1 (Additional Tests: TBN)

Received : 09 Apr 2024 **Tested**

: 10 Apr 2024 Diagnosed

: 10 Apr 2024 - Wes Davis

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

 st - 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)

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Report Id: THOLYN [WUSCAR] 06142881 (Generated: 04/10/2024 04:41:08) Rev: 1

Submitted By: Mike Korbelik