

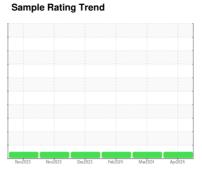
OIL ANALYSIS REPORT



Machine Id **CATERPILLAR 980M 6141 (S/N KRS00885)**

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)





DIAGNOSIS

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

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 INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10003323	TO10003366	TO10002989
Sample Date		Client Info		08 Apr 2024	04 Mar 2024	01 Feb 2024
Machine Age	hrs	Client Info		13425	13158	12901
Oil Age	hrs	Client Info		524	257	517
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	J	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	12	5	13
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	2
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	3	<1	3
Tin	ppm	ASTM D5185m	>15	<1	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	250	2	2	3
Barium	ppm	ASTM D5185m	10	0	0	5
Molybdenum	ppm	ASTM D5185m	100	58	60	58
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	450	958	997	933
Calcium	ppm	ASTM D5185m	3000	1118	1084	1084
Phosphorus	ppm	ASTM D5185m	1150	1028	1071	981
Zinc	ppm	ASTM D5185m	1350	1196	1221	1174
Sulfur	ppm	ASTM D5185m	4250	3700	3798	3444
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	2	3
Sodium	ppm	ASTM D5185m	>158	3	1	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.2	0.4
Nitration	Abs/cm	*ASTM D7624	>20	9.7	7.3	9.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	19.2	20.2
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Ale a / document	*A OTM D7444	0.5	40.0	15.0	17.0
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3	15.8	17.0



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: TO10003323 Lab Number : 06149596 Unique Number : 10979674

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

Test Package : MOB 2 (Additional Tests: KV40, VI)

Received **Tested** Diagnosed

: 15 Apr 2024 : 16 Apr 2024 : 16 Apr 2024 - Wes Davis

TULSA ROCK QUARRY, 66TH ST N 145TH AVENUE TULSA, OK

Contact: SKIP SAENGERHAUSEN skip@anchorstoneco.com

ANCHOR STONE TULSA ROCK

T: (918)928-4575 F:

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)

US 74137