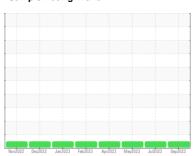


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



CATERPILLAR D6 10033 (S/N KEW01101)

Left Final Drive

NOT GIVEN (--- GAL)

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

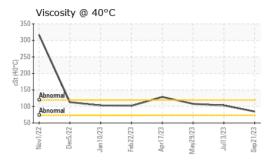
Fluid Condition

The condition of the oil is acceptable for the time in

Sample Number Client Info WC08131354 WC0816193 WC0790988 Sample Date Client Info 21 Sep 2023 13 Jul 2023 29 May 202 30 Machine Age hrs Client Info 488 494 574 Changed Changed Changed Changed Changed Changed Changed NORMAL N			Nov2022 D	Dec2022 Jan2023 Feb200	23 Apr2023 May2023 Jul2023	Sep2023	
Client Info 21 Sep 2023 13 Jul 2023 29 May 202	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Client Info 21 Sep 2023 13 Jul 2023 29 May 202	Sample Number		Client Info		WC0831354	WC0816193	WC0790988
Machine Age			Client Info		21 Sep 2023	13 Jul 2023	29 May 2023
Dil Age	•	hrs	Client Info		-	3772	
Client Info		hrs	Client Info		468	494	574
NORMAL NORMAL NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 history2	•		Client Info		Changed	Changed	Changed
Chromium	-					Ü	
Display	WEAR METALS		method	limit/base	current	history1	history2
Nickel	ron	ppm	ASTM D5185m	>500	24	16	25
ASTM D5185m	Chromium	ppm	ASTM D5185m	>10	2	1	2
Silver	Nickel	ppm	ASTM D5185m	>10	1	<1	0
Alluminum	Titanium	ppm	ASTM D5185m		<1	<1	0
December December	Silver	ppm	ASTM D5185m		0	0	0
Description	Aluminum	ppm	ASTM D5185m	>25	3	<1	0
ASTM D5185m D	_ead	ppm	ASTM D5185m	>25	0	0	0
ASTM D5185m D0	Copper	ppm	ASTM D5185m	>50	5	<1	<1
Vanadium ppm ASTM D5185m 0 <1 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <2 <1 <2 <1 <2	Γin		ASTM D5185m	>10	<1	0	0
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m <1	Vanadium	ppm	ASTM D5185m		0	<1	0
Boron ppm ASTM D5185m 158 189 132	Cadmium		ASTM D5185m		0	0	0
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <td>Boron</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>158</td> <td>189</td> <td>132</td>	Boron	ppm	ASTM D5185m		158	189	132
Manganese ppm ASTM D5185m <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>0</td> <td>0</td> <td>0</td>	Barium	ppm	ASTM D5185m		0	0	0
Magnesium ppm ASTM D5185m 2 4 <1 Calcium ppm ASTM D5185m 102 189 826 Phosphorus ppm ASTM D5185m 312 374 436 Zinc ppm ASTM D5185m 24 45 184 Sulfur ppm ASTM D5185m 2143 2001 2071 CONTAMINANTS method limit/base current history1 history2 Gilicon ppm ASTM D5185m >75 27 10 14 Sodium ppm ASTM D5185m >20 2 0 0 Potassium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE Yellow Metal	Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Calcium ppm ASTM D5185m 102 189 826 Phosphorus ppm ASTM D5185m 312 374 436 Zinc ppm ASTM D5185m 24 45 184 Sulfur ppm ASTM D5185m 2143 2001 2071 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 27 10 14 Sodium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE Vellow Metal scalar *Visual NONE NONE<	Manganese	ppm	ASTM D5185m		<1	<1	<1
Phosphorus ppm ASTM D5185m 312 374 436 Zinc ppm ASTM D5185m 24 45 184 Sulfur ppm ASTM D5185m 2143 2001 2071 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 27 10 14 Sodium ppm ASTM D5185m >20 2 0 0 Potassium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE Vellow Metal scalar *Visual NONE	Magnesium	ppm	ASTM D5185m		2	4	<1
Zinc	Calcium	ppm	ASTM D5185m		102	189	826
Sulfur ppm ASTM D5185m 2143 2001 2071 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 27 10 14 Sodium ppm ASTM D5185m >75 27 10 14 Sodium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE	Phosphorus	ppm	ASTM D5185m		312	374	436
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 27 10 14 Sodium ppm ASTM D5185m > 0 1 2 Potassium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE 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 Appearance scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Ddor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Zinc	ppm	ASTM D5185m		24	45	184
Silicon	Sulfur		ASTM D5185m		2143	2001	2071
Sodium ppm ASTM D5185m 0 1 2 Potassium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE	CONTAMINANTS	3	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 2 0 0 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE 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 NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Silicon	ppm	ASTM D5185m	>75	27	10	14
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 >0.2 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Sodium	ppm	ASTM D5185m		0	1	2
White Metal scalar *Visual NONE 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 >0.2 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Potassium	ppm	ASTM D5185m	>20	2	0	0
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEG	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE NONE Scalar *Visual NONE NONE NONE NONE NONE Scand/Dirt scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silt scalar *Visual NONE 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 >0.2 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Debris scalar *Visual NONE 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 >0.2 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance scalar *Visual NORML Emulsified Water scalar *Visual >0.2 NEG NEG NEG NEG NEG NEG	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Odorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEG	Appearance	scalar		NORML		NORML	NORML
Emulsified Water scalar *Visual >0.2 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG NEG NEG	Emulsified Water			>0.2		NEG	
FLUID PROPERTIES method limit/base current history1 history2	Free Water	scalar			NEG	NEG	NEG
	FLUID PROPERT	TIES	method_	limit/base	current	history1	history2

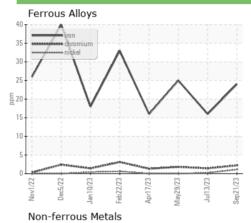


OIL ANALYSIS REPORT

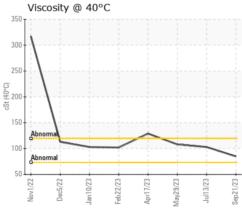


SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS











Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10672332 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0831354 : 05965781

Received Diagnosed Diagnostician : Don Baldridge

: 29 Sep 2023 : 03 Oct 2023

TRADER CONSTRUCTION CO.

PO DRAWER 1578 NEW BERN, NC US 28563

Contact: MIKE WYATT mwyatt@traderconstruction.com

T: (252)633-1399 F: (252)638-4871

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)