

OIL ANALYSIS REPORT

Sample Rating Trend





CATERPILLAR T1 Component

Diesel Engine Fluid

PETRO CAN

IAGNOSIS	SAMPLE INFOR	RMATION	method				history2
commendation	Sample Number		Client Info		PCA0061555	PCA0007304	PCA000769
sample at the next service interval to monitor.	Sample Date		Client Info		12 Jul 2022	12 Mar 2020	22 Jan 2020
ar	Machine Age	hrs	Client Info		0	0	0
component wear rates are normal.	Oil Age	hrs	Client Info		0	0	0
ntamination	Oil Changed		Client Info		N/A	N/A	N/A
ere is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINA		method	limit/base	current	history1	history2
id Condition	Fuel		WC Method		<1.0	<1.0	<1.0
BN result indicates that there is suitable	Water		WC Method		<1.0 NEG	<1.0 NEG	×1.0
alinity remaining in the oil. The condition of the				>0.2			
il is suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR META	LS	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>100	25	13	20
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
	Titanium	ppm	ASTM D5185m	>2	0	<1	<1
	Silver	ppm	ASTM D5185m	>2	0	<1	0
	Aluminum	ppm	ASTM D5185m	>25	1	1	3
	Lead	ppm	ASTM D5185m	>40	<1	<1	<1
	Copper	ppm	ASTM D5185m	>330	3	12	33
	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
	Antimony	ppm	ASTM D5185m			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		8	42	2
	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum	ppm	ASTM D5185m		65	52	59
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		958	711	906
	Calcium	ppm	ASTM D5185m		1149	1513	1029
	Phosphorus	ppm	ASTM D5185m		1090	983	972
	Zinc	ppm	ASTM D5185m		1307	1208	1066
	Sulfur	ppm	ASTM D5185m		3908	2609	3304
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	3	5	5
	Sodium	ppm	ASTM D5185m		2	5	3
	Potassium	ppm	ASTM D5185m	>20	<1	6	<1
	INFRA-RED		method	limit/base	current	history1	history2
		0/		. 0	0.4	0.3	0.4
	Soot %	%	*ASTM D7844	>3	0.4	0.3	0.4
	Soot % Nitration	% Abs/cm	*ASTM D7844		0.4 11.2	7.8	9.2

FLUID DEGRADATION method 20.2 Oxidation Abs/.1mm *ASTM D7414 >25 21.1 18.7 Base Number (BN) mg KOH/g ASTM D2896 10.3

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Contact/Location: BILL PECKAM - BORNOR

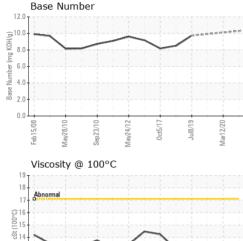


Abnormal

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Feb15/08

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Certificate L2367

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