

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id CATERPILLAR D6 8 Component Left Final Drive Fluid TDTO FLUID SAE 50 (·	0465)	
DIAGNOSIS	SAMPLE INFORM	MATION	method
Recommendation Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Wear All component wear rates are normal.	Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	hrs hrs	Client Info Client Info Client Info Client Info
Contamination There is no indication of any contamination in the fluid.	WEAR METALS	ppm	method ASTM D5185r
Fluid Condition The condition of the fluid is acceptable for the time in service.	Chromium Nickel Titanium	ppm ppm ppm	ASTM D5185r ASTM D5185r ASTM D5185r
	Silver Aluminum Lead Copper	ppm ppm ppm ppm	ASTM D51850 ASTM D51850 ASTM D51850 ASTM D51850
	Tin Vanadium Cadmium	ppm ppm ppm	ASTM D5185r ASTM D5185r ASTM D5185r
	ADDITIVES		method

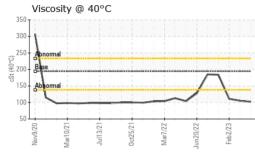
SAMPLE INFORM	NATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0837162	WC0816165	WC0775944	
Sample Date		Client Info		15 Aug 2023	24 May 2023	02 Feb 2023	
Machine Age	hrs	Client Info		11325	10892	10319	
Oil Age	hrs	Client Info		433	572	449	
Oil Changed		Client Info		Changed	Changed	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
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WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>800	16	20	21	
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1	
Nickel	ppm	ASTM D5185m	>5	0	0	0	
Titanium	ppm	ASTM D5185m	>15	0	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>75	<1	0	0	
Lead	ppm	ASTM D5185m	>10	0	0	0	
Copper	ppm		>75	0	0	0	
Tin	ppm	ASTM D5185m	>8	<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	37	198	178	136	
Barium	ppm	ASTM D5185m	7	0	0	0	
Molybdenum	ppm	ASTM D5185m	5	0	0	<1	
Manganese	ppm	ASTM D5185m		<1	<1	<1	
Magnesium	ppm	ASTM D5185m	40	4	<1	3	
Calcium	ppm	ASTM D5185m	2650	113	151	762	
Phosphorus	ppm	ASTM D5185m	1050	359	369	390	
Zinc	ppm	ASTM D5185m	1075	23	40	215	
Sulfur	ppm	ASTM D5185m	5750	2094	2524	2260	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>400	5	3	5	
Sodium	ppm	ASTM D5185m		0	<1	1	
Potassium	ppm	ASTM D5185m	>20	0	<1	0	
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	
FLUID PROPERT	IFS	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	194	102 105 111 Contact/Location: MIKE W/XATT_TPANEW/			

Report Id: TRANEW [WUSCAR] 05932337 (Generated: 08/24/2023 17:18:11) Rev: 1

Contact/Location: MIKE WYATT - TRANEW



OIL ANALYSIS REPORT



	SAMPLE IMAGES		method	limit/base	current	history1	history2
2202a	Color				no image	no image	no image
	Bottom				no image	no image	no image
	GRAPHS Ferrous Alloys	0ct25/21. Mar7/22			no image	no image	no Image
(14/0 b) XS-0	320 300 280 260 240 240 200 Base 3180 400 Base 3180 400 Abnormal 160 400 Abnormal 160 400 400 400 400 400 400 400 4	0et55/21	Jun20/22				
Laboratory Sample No. Lab Number	: 05932337	01 Madia Received Diagnos	d : 23 / ed : 24 /	ry, NC 2751 Aug 2023 Aug 2023	3 Т		RUCTION CO. DRAWER 1578 EW BERN, NC



 Unique Number
 : 10617608
 Diagnostician
 : Sean Felton

 Certificate 12367
 Test Package
 : CONST (Additional Tests: PQ)
 :

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

 * - 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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