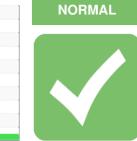


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id **CATERPILLAR D6 LGP 10043 (S/N KEW01175)** Component **Right Final Drive** Fluid

{not provided} (--- GAL)

DIAGNOSIS

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.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

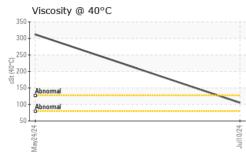
The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0899097	WC0888163	
Sample Date		Client Info		10 Jul 2024	24 May 2024	
Machine Age	hrs	Client Info		1224	601	
Oil Age	hrs	Client Info		623	601	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	14	37	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>5	0	0	
Titanium	ppm	ASTM D5185m	>15	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>75	0	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>75	0	2	
Tin	ppm	ASTM D5185m	>8	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		151	122	
	ppm	AOTHI DOTOOIII		131		
Barium	ppm	ASTM D5185m		0	0	
				-		
Barium	ppm	ASTM D5185m		0	0	
Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m		0 0	0 0	
Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0	0 0 2	
Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 0	0 0 2 3	
Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 0 164	0 0 2 3 424	
Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 0 164 342	0 0 2 3 424 367	
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 0 0 164 342 30	0 0 2 3 424 367 51	
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >400	0 0 0 164 342 30 3296	0 0 2 3 424 367 51 14175	
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 164 342 30 3296 current	0 0 2 3 424 367 51 14175 history1	 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	>400	0 0 0 0 164 342 30 3296 <u>current</u> 4	0 0 2 3 424 367 51 14175 history1 4	 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>400	0 0 0 164 342 30 3296 current 4 2	0 0 2 3 424 367 51 14175 history1 4 6	 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm	ASTM D5185m ASTM D5185m	>400 >20	0 0 0 164 342 30 3296 <u>current</u> 4 2 <1	0 0 2 3 424 367 51 14175 history1 4 6 2	 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	>400 >20 limit/base	0 0 0 164 342 30 3296 current 4 2 <1 current	0 0 2 3 424 367 51 14175 history1 4 6 2 2 history1	 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	>400 >20 limit/base NONE	0 0 0 164 342 30 3296 current 4 2 <1 2 <1 kone	0 0 2 3 424 367 51 14175 <u>history1</u> 4 6 2 2 <u>history1</u> NONE NONE NONE NONE	 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m XM D5185m	>400 >20 limit/base NONE NONE	0 0 0 164 342 30 3296 <u>current</u> 4 2 <1 <u>current</u> NONE NONE	0 0 2 3 424 367 51 14175 <u>history1</u> 4 6 2 2 <u>history1</u> NONE NONE NONE NONE NONE	 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Yisual *Visual	>400 >20 limit/base NONE NONE NONE	0 0 0 164 342 30 3296 <u>current</u> 4 2 <1 <u>current</u> NONE NONE NONE NONE	0 0 2 3 424 367 51 14175 <u>history1</u> 4 6 2 2 <u>history1</u> NONE NONE NONE NONE	 history2 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE	0 0 0 164 342 30 3296 <u>current</u> 4 2 <1 <u>current</u> NONE NONE NONE NONE NONE	0 0 2 3 424 367 51 14175 <u>history1</u> 4 6 2 2 <u>history1</u> NONE NONE NONE NONE NONE	 history2 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual	>400 >20 Imit/base NONE NONE NONE NONE NONE	0 0 0 164 342 30 3296 current 4 2 <1 current NONE NONE NONE NONE NONE NONE	0 0 2 3 424 367 51 14175 history1 4 6 2 <u>history1</u> 4 6 2 <u>NONE</u> NONE NONE NONE NONE NONE	 history2 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 Iimit/base NONE NONE NONE NONE NONE	0 0 0 164 342 30 3296 current 4 2 <1 current NONE NONE NONE NONE NONE NONE NONE NON	0 0 2 3 424 367 51 14175 history1 4 6 2 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	 history2 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NORE	0 0 0 10 164 342 30 3296 current 4 2 <1 current 4 2 <1 NONE NONE NONE NONE NONE NONE NONE NON	0 0 2 3 424 367 51 14175 history1 4 6 2 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	 history2 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 Iinit/base NONE NONE NONE NONE NONE NONE NONE NON	0 0 0 164 342 30 3296 <u>current</u> 4 2 <1 <u>current</u> NONE NONE NONE NONE NONE NONE NONE NON	0 0 2 3 424 367 51 14175 history1 4 6 2 2 history1 A 6 2 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	 history2 history2 -

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OIL ANALYSIS REPORT



FLUID PRO	PERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		105	312	
SAMPLE IM	AGES	method	limit/base	current	history1	history2
Color				no image	no image	no image
00101				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS Ferrous Alloy	'S					
40 35						
30 -						
25 - 톱 20 -						
15			/			
10- 5-						
			-			
May24/24			Jul10/24			
Non-ferrous	Metals					
9 copper						
8 tin						
6- 틆 5-						
4						
3-2-						
May24/24			Jul10/24			
≅ Viscosity @ 4	10°C		7			
350						
300						
250- ç						
(J. 00 00 73						
150 Abnormal						
100 Abnormal						
50 47			/24			
May24/24			Jul10/24			
: WearCheck USA				т	RADER CONST	
: WC0899097 r : 06236585	Test	:ed :16	Jul 2024 Jul 2024			DRAWER 157 EW BERN, N
r :11125419 e :CONST	Diag	Inosed : 16	Jul 2024 - W	es Davis	Contact	US 2856 MIKE WYAT :



Test Package : CONST Certificate L2367 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)

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