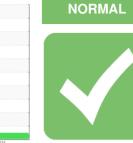


OIL ANALYSIS REPORT

Sample Rating Trend





DIAGNOSIS

Contamination

Fluid Condition

in service.

Wear

fluid

Recommendation

Area **Action Newark CATERPILLAR 5659**

Transmission (Manual) Fluic TDTO FLUID SAE 30 (--- GAL)

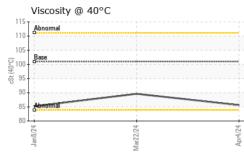
SAMPLE INFORMATION method WC0858466 WC0889534 WC0889569 Sample Number **Client Info** Resample at the next service interval to monitor. Sample Date Client Info 04 Apr 2024 22 Mar 2024 08 Jan 2024 3953 Machine Age hrs Client Info 3847 10359 Oil Age hrs Client Info 0 0 0 All component wear rates are normal. Oil Changed N/A N/A **Client Info** N/A Sample Status NORMAL ABNORMAL NORMAL There is no indication of any contamination in the CONTAMINATION >0.1 NEG NEG NEG Water WC Method The condition of the fluid is acceptable for the time WEAR METALS ppm ASTM D5185m >200 7 50 27 Iron Chromium ASTM D5185m >5 0 ppm <1 <1 0 0 Nickel ppm ASTM D5185m >5 -1 Titanium ASTM D5185m 0 0 ppm <1 0 0 Silver ASTM D5185m >7 0 ppm Aluminum ppm ASTM D5185m >25 2 3 2 ASTM D5185m >45 0 0 Lead <1 ppm >225 226 16 Copper ppm ASTM D5185m <1 Tin ASTM D5185m >10 0 <1 0 ppm Vanadium 0 0 0 ppm ASTM D5185m 0 0 Cadmium 0 ppm ASTM D5185m 10 4 10 Boron ASTM D5185m 37 ppm 0 3 Barium ppm ASTM D5185m 7 0 Molvbdenum ASTM D5185m 5 52 5 2 ppm ASTM D5185m 0 1 0 Manganese ppm Magnesium ASTM D5185m 40 765 24 86 ppm Calcium ASTM D5185m 2650 2281 2690 ppm 1126 Phosphorus ASTM D5185m 1050 1058 985 999 ppm Zinc ppm ASTM D5185m 1075 1170 1130 1294 Sulfur ASTM D5185m 5750 3227 6562 7827 ppm Silicon ppm ASTM D5185m >125 3 10 4 Sodium ASTM D5185m <1 26 0 ppm Potassium ASTM D5185m >20 2 ppm 1 1 VISUAL NONE White Metal scalar *Visual NONE NONE NONE Yellow Metal *Visual NONE NONE NONE NONE scalar Precipitate *Visual NONE NONE scalar NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris *Visual NONE NONE scalar NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE *Visual NORML NORML NORML NORML Appearance scalar NORML NORML NORML NORML Odor scalar *Visual **Emulsified Water** NEG scalar *Visual >0.1 NEG NEG scalar *Visual Free Water NEG NEG NEG

Report Id: INT110NEW [WUSCAR] 06151389 (Generated: 04/20/2024 00:02:58) Rev: 1

Contact/Location: Robert Witynski - INT110NEW



OIL ANALYSIS REPORT



Apr4/24	Visc @ 40°C SAMPLE IMAGE Color Bottom	cSt	ASTM D445 method	101 limit/base	85.6 current no image	89.6 history1	85.2 history2
Apri/24	Color	ES	method	limit/base			history2
Apr4/24					no image		
April	Bottom				ne inage	no image	no image
					no image	no image	no image
	GRAPHS						
4	Iron (ppm)			10	Lead (ppm)		
	Severe				Severe		
				E			
_				dd			
1	00				0		
	0 4 7 8 10 8 10 9 10 9 10 9 10 9 10 9 10 9 10	122/24		pr4/24	0 1.8/24	r22/24	
	Aluminum (ppm)				Chromium (
	Severe			-	Sminne	1	
					8-		
u d d	20 -			bhu	6 Abnormal		
	10-				2		
	8/24	2/24 -		4/24	8/24	2/24	
		Mar2		Api			
5						·/	
						1	
13 14	Abnormal	~					
					0		
	Jan 8/24	/lar22/24		Apr4/24	Jan 8/24	Mar22/24	
				201	Additives	2	
1	10 - Abnormal			1	calcium	orus	
1	05 - Base				SARABANA ZILLC		
				^h	10 -		
	85 - Abnormal			100	10 -		***************************************
	1/24 1/24 08	124			10 24 01	/24 -	
	Jan 8	Mar22		Apr4	Jan 8	Mar22	
Sample No. :) Lab Number : (Unique Number :)	WC0858466 <mark>06151389</mark> 10981467	Rece Test	eived : 16 ed : 18	6 Apr 2024 8 Apr 2024		110 EVERGREE	
	aboratory : Sample No. : Inique Number : Test Package : ample report, comethods that are	Aluminum (ppm) Aluminum (ppm) Aluminum (ppm) Aluminum (ppm) Anomal Copper (ppm) Viscosity @ 40°C Anomal	Aluminum (ppm)	Aluminum (ppm) Aluminum (ppm) Aluminum (ppm) Copper (ppm) Grave Viscosity @ 40°C Uiscosity @ 40°C Aluminum (ppm) Sample No. : WC0858466 Received ::16 ab Number : 06151389 Tested ::18 Jinique Number ::0981467 Diagnosed ::19 Test Package : MOB 1 ample report, contact Customer Service at 1-800-237-1365 methods that are outside of the ISO 17025 scope of accred	Aluminum (ppm) Aluminum (ppm)	Aluminum (ppm) Aluminum (ppm) Corper (ppm) Uscosity @ 40°C Uscosity @	Aluminum (ppm) Aluminum (ppm)

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Contact/Location: Robert Witynski - INT110NEW

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