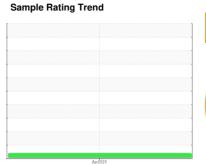


OIL ANALYSIS REPORT







Machine Id **CATERPILLAR 908M 633**

Component Hydraulic System AW HYDRAULIC OIL IS

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

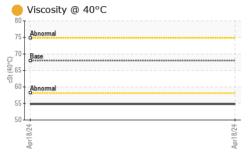
The oil viscosity is lower than normal.

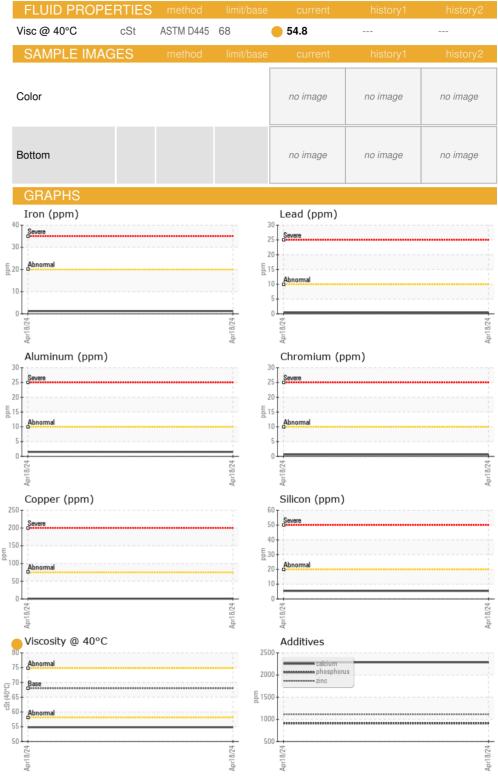
SAMPLE INFORMATION method limit/base current history1 history2 sample Number Client Info RAPT 2024 .	6O 68 (GAL)				Apr2024		
Comparison Com					APIEOET		
Company Comp	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Machine Age	Sample Number		Client Info		PCA0118139		
	Sample Date		Client Info		18 Apr 2024		
Contamination Changed Cilient Info Changed Contamination Contamina	Machine Age	hrs	Client Info		5500		
ATTENTION CONTAMINATION method limit/base current history1 history2	Oil Age	hrs	Client Info		5500		
WEAR METALS	Oil Changed		Client Info		Changed		
VEAR METALS	Sample Status				ATTENTION		
WEAR METALS method limit/base current history1 history2 fon ppm ASTM D5185m >20 1 chromium ppm ASTM D5185m >10 <1	CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Con	Nater		WC Method	>0.1	NEG		
ASTM D5185m >10	WEAR METAL	_S	method	limit/base	current	history1	history2
ASTM D5185m >10	ron	ppm	ASTM D5185m	>20	1		
Act Act	Chromium			>10	<1		
Silver	Nickel						
Manipum	Fitanium						
Astmoderate	Silver						
Sead	Aluminum			>10			
Description	_ead				_		
ASTM D5185m STM D5185m ST	Copper						
ASTM D5185m	Γin						
ADDITIVES	Vanadium						
Soron ppm ASTM D5185m 5 62 Sarium ppm ASTM D5185m 5 0 Molybdenum ppm ASTM D5185m 5 4 Manganese ppm ASTM D5185m 5 4 Magnesium ppm ASTM D5185m 25 60 Magnesium ppm ASTM D5185m 200 2286 Magnesium ppm ASTM D5185m 300 908 Magnesium ppm ASTM D5185m 300 908 Magnesium ppm ASTM D5185m 370 1115 Magnesium ppm ASTM D5185m 2500 2711 Magnesium ppm ASTM D5185m 2500 2711 Magnesium ppm ASTM D5185m 2500 2711 Magnesium ppm ASTM D5185m 20 5	Cadmium				<1		
Sarium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 5 4 Manganese ppm ASTM D5185m 25 60 Magnesium ppm ASTM D5185m 200 2286 Phosphorus ppm ASTM D5185m 300 908 Phosphorus ppm ASTM D5185m 370 1115 Pinc ppm ASTM D5185m 2500 2711 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 5 Solium ppm ASTM D5185m >20 <1 Solium ppm ASTM D5185m >20 <1 VISUAL method limit/base current history1 history2 Visual NONE NONE -	Boron	ppm	ASTM D5185m	5	62		
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 25 60 Calcium ppm ASTM D5185m 200 2286 Phosphorus ppm ASTM D5185m 300 908 Vinc ppm ASTM D5185m 370 1115 Sulfur ppm ASTM D5185m 2500 2711 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 5 Sodium ppm ASTM D5185m >20 <1	Barium	ppm	ASTM D5185m	5	0		
Magnesium ppm ASTM D5185m 25 60 Calcium ppm ASTM D5185m 200 2286 Phosphorus ppm ASTM D5185m 300 908 Cinc ppm ASTM D5185m 370 1115 Sulfur ppm ASTM D5185m 2500 2711 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 5 Potassium ppm ASTM D5185m >20 <1	Molybdenum	ppm	ASTM D5185m	5	4		
Calcium ppm ASTM D5185m 200 2286 Phosphorus ppm ASTM D5185m 300 908 Cinc ppm ASTM D5185m 370 1115 Sulfur ppm ASTM D5185m 2500 2711 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 20 5 Potassium ppm ASTM D5185m 1 Potassium ppm ASTM D5185m >20 <1	Manganese	ppm	ASTM D5185m		<1		
Phosphorus	Magnesium	ppm	ASTM D5185m	25	60		
Sulfur	Calcium	ppm	ASTM D5185m	200	2286		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 5 Sodium ppm ASTM D5185m 1 Potassium ppm ASTM D5185m >20 <1	Phosphorus	ppm	ASTM D5185m	300	908		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 5 Sodium ppm ASTM D5185m 20 1 Potassium ppm ASTM D5185m >20 <1	Zinc	ppm	ASTM D5185m	370	1115		
Silicon ppm ASTM D5185m >20 5	Sulfur	ppm	ASTM D5185m	2500	2711		
Cotassium	CONTAMINA	NTS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 <1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE Vellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Smulsified Water scalar *Visual >0.1 NEG	Silicon	ppm	ASTM D5185m	>20	5		
VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Sodium	ppm	ASTM D5185m		1		
Vinite Metal scalar *Visual NONE NONE Vellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Potassium	ppm	ASTM D5185m	>20	<1		
Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Codor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	White Metal	scalar	*Visual	NONE	NONE		
Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Band/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Yellow Metal	scalar	*Visual	NONE	NONE		
Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Precipitate	scalar	*Visual	NONE	NONE		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Silt	scalar	*Visual	NONE	NONE		
Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Debris	scalar	*Visual	NONE	NONE		
Odor scalar *Visual NORML mulsified Water scalar *Visual >0.1 NEG	Sand/Dirt	scalar	*Visual	NONE	NONE		
mulsified Water scalar *Visual >0.1 NEG	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
ree Water scalar *Visual NEG	Emulsified Water	scalar	*Visual	>0.1	NEG		
	Free Water	scalar	*Visual		NEG		

Submitted By: LAB TECH



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06159966

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0118139

Unique Number : 10995389 Test Package : MOB 1

Received : 24 Apr 2024 Tested : 25 Apr 2024

Diagnosed

: 26 Apr 2024 - Don Baldridge

US 95361 Contact: LAB TECH m-labtech@outlook.com

CENTRAL VALLEY AG

5707 LANGWORTH

OAKDALE, CA

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)

Report Id: CENOAK [WUSCAR] 06159966 (Generated: 04/26/2024 12:55:23) Rev: 1

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