

OIL ANALYSIS REPORT

Area DICK LAVY [BEFORE] Machine Id DICK LAVY 4966 Component

Front Differential Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (before)

Wear

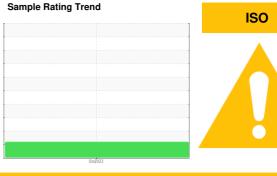
All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

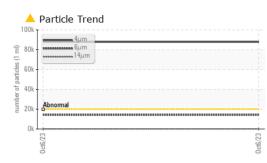
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

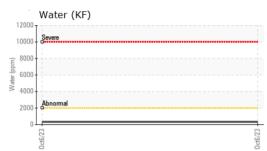


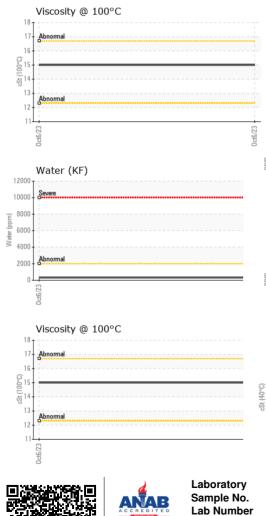
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0853956		
Sample Date		Client Info		06 Oct 2023		
Machine Age	mls	Client Info		455		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	8		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m		0		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		164		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		18		
Phosphorus	ppm	ASTM D5185m		1074		
Zinc	ppm	ASTM D5185m		13		
Sulfur	ppm	ASTM D5185m		24356		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	nnm	ASTM D5185m	>75	8		
Sodium	ppm	ASTM D5185m	>75	° 1		
Potassium	ppm	ASTM D5185m	>20	1		
Water	ppm %	ASTM D5185III ASTM D6304		0.031		
ppm Water	ppm	ASTM D0304 ASTM D6304		311.2		
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	87826		
Particles >6µm		ASTM D7647	>5000	14176		
Particles >14µm		ASTM D7647	>640	100		
Particles >21µm		ASTM D7647	>160	11		
Particles >38µm		ASTM D7647	>40	3		
Particles >71µm		ASTM D7647		2		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u> </u>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		3.24		



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VISUAL		method	limit/base	current	history1	history
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	LIGHT		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	histor
Visc @ 40°C	cSt	ASTM D445		99.6		
Visc @ 100°C	cSt	ASTM D445		15.0		
Viscosity Index (VI)	Scale	ASTM D2270		157		
SAMPLE IMAGES		method	limit/base	current	history1	histor
Color				(Rada	no image	no imag
Bottom					no image	no imag
GRAPHS						
Ferrous Alloys				A Particle Count		
10 8 iron			491,52	Severe		
E 6 -			122,88	10		
			30,72	Abnormal		
2			7,68			
0ct6/23			0ct6/23 per 1 ml			
00			0ct6/23 1.26 89 89 89			
Non-ferrous Metals	;		48 gartick	10		
			jo 12	10-		
E 6			qum			
E 4			- 3	10 -		
2				8-		
0ct8/23			0ct6/23	2-		
				0. 4µ 6µ	14µ 21µ	38µ -
Viscosity @ 40°C	Viscosity @ 40°C			Acid Number		
			B/HOX			
120 - Abnormal			3.			
Abnormal			(b,H.) 3. 9.0 Number (mg KOH) 1. 0.			
60			N N	0		
3/23				3/23		
0ct6/23			0ct6/23	0ct6/23		
	01 Madi leceived liagnos	d : 20 l	ry, NC 2751 Nov 2023 Nov 2023	3 E		A CREDAF TE PLAINS RRYTOWN

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)

Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI)

Certificate L2367

Т:

F:

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