

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

MANVEL E-1201

Component
Transfer Case

{not provided} (--- QTS)

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

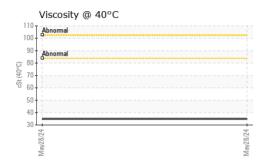
Fluid Condition

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

				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0941889		
Sample Date		Client Info		28 May 2024		
Machine Age	mls	Client Info		0		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<1		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	. •	0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>45	0		
Lead	ppm	ASTM D5185m	>150	0		
Copper	ppm	ASTM D5185m	>100	0		
Tin		ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m	>5	0		
Cadmium	ppm	ASTM D5185m		0		
	ppm			-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		29		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		2		
Calcium	ppm	ASTM D5185m		223		
Phosphorus	ppm	ASTM D5185m		154		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		1262		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>85	4		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	<1		
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	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		

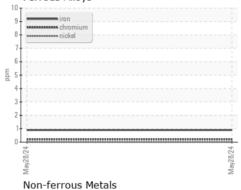


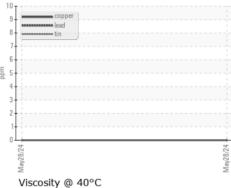
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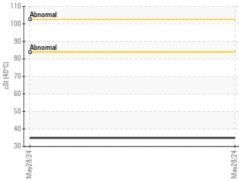


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		34.8		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

Ferrous Alloys











Certificate 12367

Laboratory

Sample No. : WC0941889 Lab Number : 06194440 Unique Number : 11056563

Test Package : CONST

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

: 29 May 2024 : 31 May 2024 Diagnosed : 31 May 2024 - Sean Felton

4401 REX RD FRIENDSWOOD, TX US 77546

Contact: DOUGLAS DLOUHY DDLOUHY@SIDDONS-MARTIN.COM

SIDDONS-MARTIN EMERGENCY GROUP

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.

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

Report Id: SIDFRI [WUSCAR] 06194440 (Generated: 05/31/2024 16:46:38) Rev: 1