

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

IAD2-B-GEN-05 IAD2-B-GEN-05

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

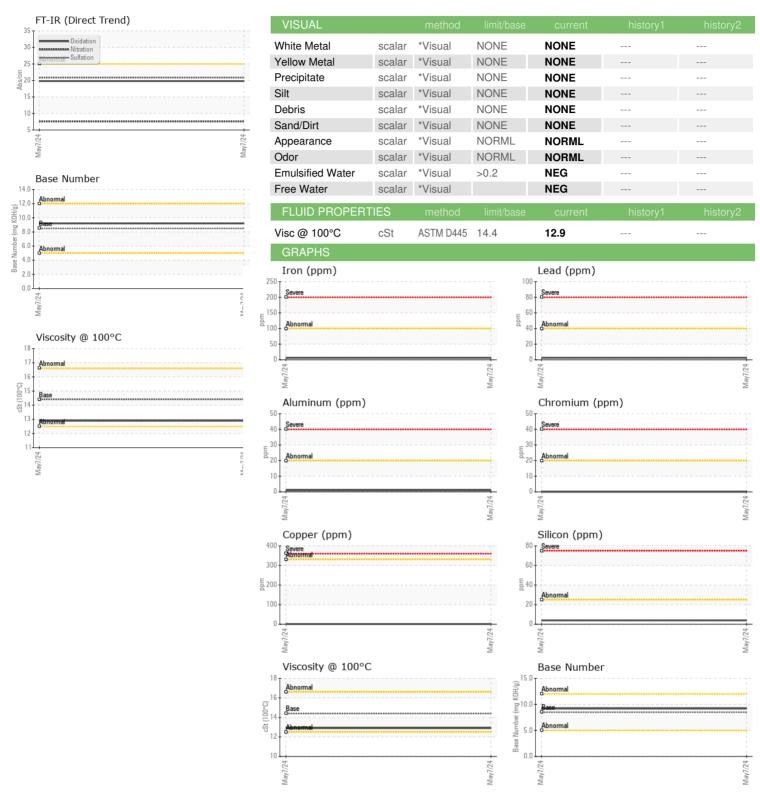
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Nickel					May2024		
Client Info	CAMPLE INFORM	AATIONI		liit/la-a-a-	2a.t	hintom d	history.O.
Cample Date Client Info 07 May 2024		MATION		imii/base		nistory i	nistoryz
Machine Age							
Dil Changed	•				-		
Dil Changed Client Info Not Changed NORMAL Not Changed NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL	•						
CONTAMINATION method limit/base current history1 history2	-	hrs			-		
CONTAMINATION			Client Info				
Valer	·				NORMAL		
Water WC Method >0.2 NEG Gilycol WC Method Imilibase current history1 history2 WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >100 6 Chromium ppm ASTM D5185m >20 0 Hickel ppm ASTM D5185m >4 0 Filtanium ppm ASTM D5185m >4 0 Aluminum ppm ASTM D5185m >40 2 Aluminum ppm ASTM D5185m >40 2 Junadium ppm ASTM D5185m >15 1 Junadium ppm ASTM D5185m 0 Junadium ppm ASTM D5185m 0		١				history1	history2
WEAR METALS							
WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >100 6 Chromium ppm ASTM D5185m >20 0 Nickel ppm ASTM D5185m >4 0 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >20 1 Lead ppm ASTM D5185m >20 1 Lead ppm ASTM D5185m >20 1 Copper ppm ASTM D5185m >20 1 Copper ppm ASTM D5185m >330 1 Copper ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 0 <td></td> <td></td> <td></td> <td>>0.2</td> <td></td> <td></td> <td></td>				>0.2			
Post	Glycol		WC Method		NEG		
ASTM D5185m	WEAR METALS		method	limit/base	current	history1	history2
ASTM D5185m	ron	ppm		>100	6		
Silver	Chromium	ppm	ASTM D5185m		-		
Saliver	Nickel	ppm		>4	0		
Astroper	Γitanium	ppm	ASTM D5185m		<1		
December December	Silver	ppm	ASTM D5185m	>3	0		
Copper	Aluminum	ppm	ASTM D5185m	>20	1		
Tin	_ead	ppm	ASTM D5185m	>40	2		
Anadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 250 56 Barium ppm ASTM D5185m 10 0 Molybdenum ppm ASTM D5185m 100 42 Magnesium ppm ASTM D5185m 450 640 Magnesium ppm ASTM D5185m 3000 1484 Phosphorus ppm ASTM D5185m 3000 1484 Phosphorus ppm ASTM D5185m 1350 1028 Sulfur ppm ASTM D5185m >25 4 CONTAMINANTS method limit/base current <th< td=""><td>Copper</td><td>ppm</td><td>ASTM D5185m</td><td>>330</td><td>1</td><td></td><td></td></th<>	Copper	ppm	ASTM D5185m	>330	1		
ADDITIVES	Γin	ppm	ASTM D5185m	>15	1		
ADDITIVES	/anadium	ppm	ASTM D5185m		0		
Soron ppm ASTM D5185m 250 56 Sarium ppm ASTM D5185m 10 0 0 Sarium ppm ASTM D5185m 100 42 Sarium ASTM D5185m 100 42 Sarium ASTM D5185m 450 640 Sarium ppm ASTM D5185m 450 640 Sarium ppm ASTM D5185m 3000 1484 Sarium ppm ASTM D5185m 1150 894 Sarium ppm ASTM D5185m 1350 1028 Sarium ppm ASTM D5185m 4250 3281 Sarium ppm ASTM D5185m 255 4 Sarium ppm ASTM D5185m 20 <1 Sarium ppm ASTM D7844 >3 0.2 Sarium Abs/cm *ASTM D7844 >3 0.2 Sarium Abs/cm *ASTM D7844 >3 0.2 Sarium Abs/cm *ASTM D7844 >3 0.2 Sarium Abs/cm *ASTM D7844 >3 0.2 Sarium Abs/cm *ASTM D7845 >30 20.8 Sarium Abs/cm *ASTM D7845 >30 20.8 Sarium Abs/cm *ASTM D7844 >20 7.6	Cadmium	ppm	ASTM D5185m		0		
Sarium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 100 42 Manganese ppm ASTM D5185m 450 640 Magnesium ppm ASTM D5185m 450 640 Calcium ppm ASTM D5185m 3000 1484 Phosphorus ppm ASTM D5185m 1150 894 Zinc ppm ASTM D5185m 1350 1028 Zinc ppm ASTM D5185m 4250 3281 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Potassium ppm ASTM D5185m >20 <1 Potassium ppm ASTM D5185m >20 <1 Soot % *ASTM D7844 >3	Boron	ppm	ASTM D5185m	250	56		
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 450 640 Calcium ppm ASTM D5185m 3000 1484 Phosphorus ppm ASTM D5185m 1150 894 Zinc ppm ASTM D5185m 1350 1028 Sulfur ppm ASTM D5185m 4250 3281 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >158 4 Potassium ppm ASTM D5185m >20 <1	Barium	ppm	ASTM D5185m	10	0		
Magnesium ppm ASTM D5185m 450 640 Calcium ppm ASTM D5185m 3000 1484 Phosphorus ppm ASTM D5185m 1150 894 Zinc ppm ASTM D5185m 1350 1028 Sulfur ppm ASTM D5185m 1350 3281 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >158 4 Potassium ppm ASTM D5185m >20 <1	Molybdenum	ppm	ASTM D5185m	100	42		
Description	Manganese	ppm	ASTM D5185m		<1		
Phosphorus ppm ASTM D5185m 1 150 894 Zinc ppm ASTM D5185m 1 350 1028 Sulfur ppm ASTM D5185m 4250 3281 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Godium ppm ASTM D5185m >158 4 Potassium ppm ASTM D5185m >20 <1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 Sulfation Abs/.1mm *ASTM D7415 >30 20.8 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *AS	Magnesium	ppm	ASTM D5185m	450	640		
Time	Calcium	ppm	ASTM D5185m	3000	1484		
Sulfur ppm ASTM D5185m 4250 3281 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >158 4 Potassium ppm ASTM D5185m >20 <1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 Sulfation Abs/.1mm *ASTM D7624 >20 7.6 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 19.8	Phosphorus	ppm	ASTM D5185m	1150	894		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >158 4 Potassium ppm ASTM D5185m >20 <1	Zinc	ppm	ASTM D5185m	1350	1028		
Solition ppm ASTM D5185m >25 4	Sulfur	ppm	ASTM D5185m	4250	3281		
Sodium	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 <1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 Nitration Abs/cm *ASTM D7624 >20 7.6 Sulfation Abs/.1mm *ASTM D7415 >30 20.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 19.8	Silicon	ppm	ASTM D5185m	>25	4		
INFRA-RED	Sodium	ppm	ASTM D5185m	>158	4		
Soot %	Potassium	ppm	ASTM D5185m	>20	<1		
Nitration Abs/cm *ASTM D7624 >20 7.6 Sulfation Abs/.1mm *ASTM D7415 >30 20.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 19.8	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 20.8 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 19.8	Soot %	%	*ASTM D7844	>3	0.2		
FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 19.8	Nitration	Abs/cm	*ASTM D7624	>20	7.6		
Oxidation	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8		
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.8		
	Base Number (BN)	mg KOH/g	ASTM D2896		9.2		



OIL ANALYSIS REPORT





Certificate 12367

Sample No.

Lab Number : 06193840 Unique Number : 11055963

: WC0931681

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 May 2024 **Tested** : 30 May 2024

Diagnosed : 30 May 2024 - Wes Davis Test Package : MOB 1 (Additional Tests: TBN)

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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