

# **OIL ANALYSIS REPORT**



### Machine Id **2116** Component **Diesel Engine** Fluid **DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

#### DIAGNOSIS

#### Recommendation

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

## Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

### 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.

Sample DateClientMachine AgemlsClientOil AgemlsClientOil ChangedClientSample StatusISample StatusICONTAMINATIONmeFuelWC ftWaterIGlycolWC ftWEAR METALSmeIronppmASTMChromiumppmNickelppmASTMSilverppmAstmSilverppmAstmCopperppmAstmCadmiumppmAstmCadmiumppmAstmMolybdenumppmAstmMagnesiumppmAstmSulfurppmSoot %%%*AstmNitrationAbs/.1mmAbs/.1mm*Astm	ethod limit/bas	e current	history1	history2
Machine AgemlsClientOil AgemlsClientOil ChangedClientSample StatusICONTAMINATIONmeFuelWC fWaterWC fGlycolWC fWEAR METALSmeIronppmASTMChromiumppmNickelppmppmASTMSilverppmAstmCopperppmAstmCadmiumppmAstmCadmiumppmAstmMolybdenumppmAstmMagnesiumppmAstmCalciumppmAstmSulfurppmAstmSulfurppmAstmSulfurppmAstmSulfurppmAstmSulfurppmAstmSulfurppmAstmSulfurppmAstmSulfurppmAstmSulfurppmAstmSulfurppmAstmSulfurppmAstmSulfurppmAstmSulfurAstmNitrationAbs/.tm<"	nt Info	WC0909271		
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TitaniumppmASTMSilverppmASTMSilverppmASTMAluminumppmASTMLeadppmASTMLeadppmASTMCopperppmASTMCadmiumppmASTMCadmiumppmASTMADDITIVESmeBoronppmASTMMolybdenumppmASTMMagnesiumppmASTMCalciumppmASTMZincppmASTMSulfurppmASTMSodiumppmASTMSodiumppmASTMNorthermeSiliconppmASTMSodiumppmASTMNortassiumppmASTMSodiumppmASTMSodiumppmASTMSoot %%*ASTMNitrationAbs/.1mm*ASTMSulfationAbs/.1mm*ASTM	D5185m >20	1		
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BoronppmASTMBariumppmASTMMolybdenumppmASTMManganeseppmASTMMagnesiumppmASTMCalciumppmASTMPhosphorusppmASTMZincppmASTMSulfurppmASTMSolfumppmASTMSodiumppmASTMPotassiumppmASTMINFRA-REDmeSoot %%*ASTMNitrationAbs/.1mm*ASTM	D5185m	0		
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Soot %%*ASTNNitrationAbs/cm*ASTNSulfationAbs/.1mm*ASTN	D5185m >20	<1		
Nitration     Abs/cm     *ASTM       Sulfation     Abs/.1mm     *ASTM	ethod limit/bas	e current	history1	history2
Sulfation Abs/.1mm *AST	M D7844 >3	1.7		
	M D7624 >20	8.3		
	MD7415 >30	20.8		
FLUID DEGRADATION me		e current	history1	history2
Oxidation Abs/.1mm *AST	ethod limit/bas	c current		
Base Number (BN) mg KOH/g ASTN	ethod limit/bas M D7414 >25	14.2		
Oxidation Abs/.1mm *AST	MD7415 >30		history1	



3

30

25

Abs/cm

10

14

0.212.0 0.0 KOH/g) 0.8 Base Number (mg KOH/g) 0.9 CON KOH/g)

2.0

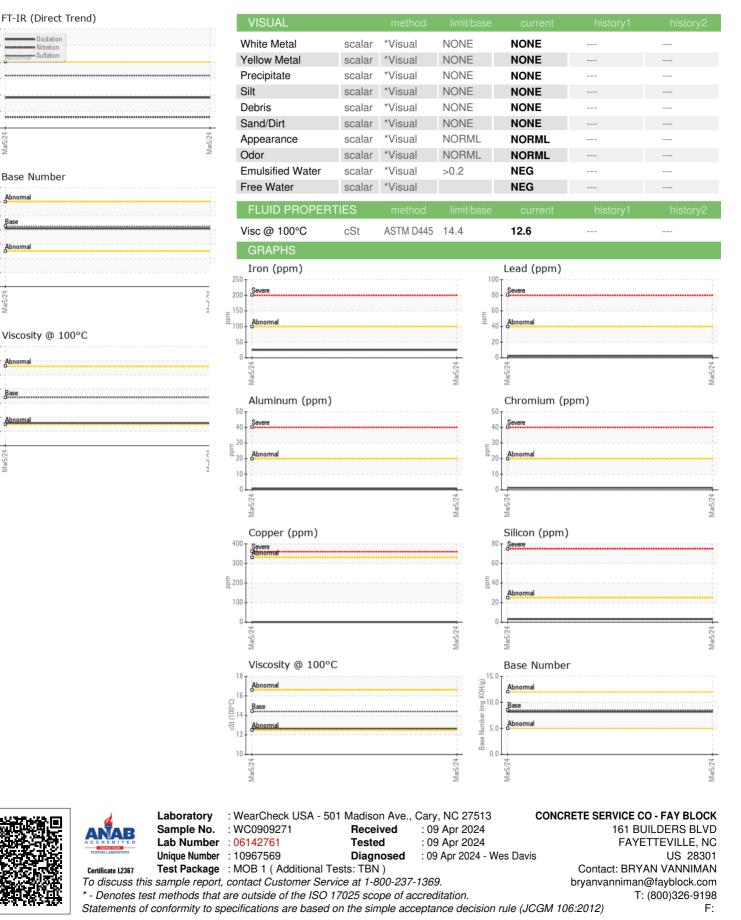
0.0

18 17

16 cSt (100°C) Ba

Mar5/74

# **OIL ANALYSIS REPORT**



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