

Machine Id

Current

History1

Limit/Abn

History2

RECOMMENDATION

## VOLVO A30G 753148 **Bogie/Center Axle**

VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

Test

UOM

Method

Resample at the next service interval to monitor.       Sample Number       Client Info       ASC0010890       VCP425         Sample Date       Client Info       14 Jun 2024       07 Aug 20         Machine Age       hrs       Client Info       14 Jun 2024       592         Oil Age       hrs       Client Info       14 Jun 2024       592	
Sample Date       Client Info       14 Jun 2024       07 Aug 20         Machine Age       hrs       Client Info       2178       592         Oil Age       hrs       Client Info       2178       0	
Oil Age hrs Client Info 2178 0	23
Filter Age hrs Client Info 0 0	
Oil Changed Client Info Not Change Change	d
Filter Changed Client Info Not Change N/A	
Sample Status NORMAL NORMA	L
WEAR         Iron         ppm         ASTM D5185m         >900         323         302	
All component wear rates are normal.     Chromium     ppm     ASTM D5185m     >20     6     7	
Nickel ppm ASTM D5185m >10 4 3	
Titanium ppm ASTM D5185m <1 <1	
Silver ppm ASTM D5185m 0 0	
Aluminum ppm ASTM D5185m >30 3 1	
Lead ppm ASTM D5185m >50 <1 0	
Copper ppm ASTM D5185m >150 32 24	
Tin ppm ASTM D5185m >20 1 <1	
Vanadium ppm ASTM D5185m 0 0	
White Metal scalar *Visual NONE MODER NON	E
Yellow Metal scalar *Visual NONE NONE NON	E
CONTAMINATION Silicon ppm ASTM D5185m >50 5 6	
Botocolum nom ACTM DE19Em - 20 6	
There is no indication of any contamination in the oil.	
Water WC Method >0.2 NEG NEG	 F
WaterWC Method >0.2NEGSiltscalar*VisualNONEMODER	E
WaterWC Method >0.2NEGSiltscalar*VisualNONEMODERDebrisscalar*VisualNONENONENONE	E E
WaterWC Method >0.2NEGSiltscalar*VisualNONEMODERDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONE	E E E
WaterWC Method>0.2NEGNEGSiltscalar*VisualNONEMODERNONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORML	E E ML
WaterWC Method >0.2NEGSiltscalar*VisualNONEMODERDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONE	E E ML
Water       WC Method >0.2       NEG       NEG         Silt       scalar       *Visual       NONE       MODER       NONE         Debris       scalar       *Visual       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NONE       NONE       NONE         Appearance       scalar       *Visual       NORML       NORML       NORML         Odor       scalar       *Visual       NORML       NORML       NORML         Emulsified Water       scalar       *Visual       >0.2       NEG       NEG	E E ML ML 
Water       WC Method >0.2       NEG       NEG         Silt       scalar       *Visual       NONE       MODER       NONE         Debris       scalar       *Visual       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NONE       NONE       NONE         Appearance       scalar       *Visual       NORM       NORML       NOR         Odor       scalar       *Visual       NORML       NORML       NOR         Emulsified Water       scalar       *Visual       >0.2       NEG       NEG         FLUID CONDITION       Sodium       ppm       ASTM D5185m       2       2	E E ML ML 
Water       WC Method >0.2       NEG       NEG         Silt       scalar       *Visual       NONE       MODER       NONE         Debris       scalar       *Visual       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NONE       NONE       NONE         Appearance       scalar       *Visual       NORM       NORML       NORM         Odor       scalar       *Visual       NORM       NORML       NOR         Emulsified Water       scalar       *Visual       NORML       NORML       NOR         FLUID CONDITION       Sodium       ppm       ASTM D5185m       2       2         The condition of the oil is acceptable for the time in service.       ppm       ASTM D5185m       1       253       350	E
Water       WC Method >0.2       NEG       NEG         Silt       scalar       *Visual       NONE       MODER       NONE         Debris       scalar       *Visual       NONE       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NONE       NONE       NONE       NONE         Appearance       scalar       *Visual       NORM       NORM       NORM       NORM         Odor       scalar       *Visual       NORM       NORM       NORM       NORM         Emulsified Water       scalar       *Visual       >0.2       NEG       NORM       NORM         FLUID CONDITION       Sodium       ppm       ASTM D5185m       2       2       2         The condition of the oil is acceptable for the time in service.       ppm       ASTM D5185m       4       0	E E ML ML  
Water       WC Method >0.2       NEG       NEG         Silt       scalar       *Visual       NONE       MODER       NONE         Debris       scalar       *Visual       NONE       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NONE       NONE       NONE       NONE       NONE         Appearance       scalar       *Visual       NORM       NORML       NORML       NORML         Odor       scalar       *Visual       NORML       NORML       NORML       NORML         FLUID CONDITION       Scalar       *Visual       NORML       NORML       NORML       NORML         The condition of the oil is acceptable for the time in service.       Sodium       ppm       ASTM D5185m       2       2         Barium       ppm       ASTM D5185m       14       0       3       3         Molybdenum       ppm       ASTM D5185m       12       8	E
Water       WC Method >0.2       NEG       NEG         Silt       scalar       *Visual       NONE       MODER       NONE         Debris       scalar       *Visual       NONE       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NONE       NONE       NONE       NONE         Appearance       scalar       *Visual       NORM       NORM       NORM       NORM         Odor       scalar       *Visual       NORM       NORM       NORM       NORM         FLUID CONDITION       Scalar       *Visual       NORM       NORM       NORM       NORM         FLUID CONDITION       Sodium       ppm       ASTM D5185m       Sodium       22       2       2         Boron       ppm       ASTM D5185m       I       4       0       2       3       3         Barium       ppm       ASTM D5185m       I       4       0       3       3       3         Manganese       ppm       ASTM D5185m       I       11       13       3	E
Water       WC Method       >0.2       NEG       NEG         Silt       scalar       *Visual       NONE       MODER       NONE         Debris       scalar       *Visual       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NONE       NONE       NONE         Appearance       scalar       *Visual       NOR       NORML       NORML         Odor       scalar       *Visual       NOR       NORML       NORML         Odor       scalar       *Visual       NOR       NORML       NORML         Emulsified Water       scalar       *Visual       NOR       NORML       NORML         FLUID CONDITION       Sodium       ppm       ASTM D5185m       2       2       2         Boron       ppm       ASTM D5185m       1       4       0       0         Malybdenum       ppm       ASTM D5185m       1       4       0       1         Manganese       ppm       ASTM D5185m       1       1       3         Magnesium       ppm       ASTM D5185m       1       1       3	E
Water       WC Method >0.2       NEG       NEG         Silt       scalar       *Visual       NONE       MODER       NONE         Debris       scalar       *Visual       NONE       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NONE       NONE       NONE       NONE         Appearance       scalar       *Visual       NORE       NORM       NORM       NORM         Odor       scalar       *Visual       NORE       NORM       NORM       NORM         Emulsified Water       scalar       *Visual       NOR       NORM       NORM       NORM         FLUID CONDITION       Sodium       ppm       ASTM D5185m       NO       2       2       2         FLUID CONDITION       Sodium       ppm       ASTM D5185m       I       2       2       2         Manganese       ppm       ASTM D5185m       I       4       0       1       1       3         Magnesium       ppm       ASTM D5185m       I       1       1       3       3       3       3       3       3       3       3       3       3       3       3       3       3	E
Water       WC Method       >0.2       NEG       NEG         Silt       scalar       *Visual       NONE       MODER       NONE         Debris       scalar       *Visual       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NONE       NONE       NONE         Appearance       scalar       *Visual       NORE       NORE       NORE         Odor       scalar       *Visual       NORE       NORE       NORE         The condition of the oil is acceptable for the time in service.       Sodium       ppm       ASTM D5185m       2       2       2         Manganese       ppm       ASTM D5185m       I       11       13         Manganese       ppm       ASTM D5185m       I       1       13         Manganese       ppm       ASTM D5185m       I       1       1         Calcium       ppm       ASTM D5185m       I       1       1       1         Phosphorus       ppm       ASTM D5185m       I       1       1       1 <td>E          E          L          ML          ML</td>	E          E          L          ML          ML
Water       WC Method >0.2       NEG       NEG         Silt       scalar       *Visual       NONE       MODER       NONE         Debris       scalar       *Visual       NONE       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NONE       NONE       NONE       NONE         Appearance       scalar       *Visual       NORE       NORM       NORM       NORM         Odor       scalar       *Visual       NORE       NORM       NORM       NORM         Emulsified Water       scalar       *Visual       NOR       NORM       NORM       NORM         FLUID CONDITION       Sodium       scalar       *Visual       NOR       NORM       NOR         FLUID CONDITION       Sodium       ppm       ASTM D5185m       I       2       2         The condition of the oil is acceptable for the time in service.       Sodium       ppm       ASTM D5185m       I       4       0         Malydenum       ppm       ASTM D5185m       I       4       0       1         Malydenum       ppm       ASTM D5185m       I       4       0       1         Malydenum       ppm       <	E

Visc @ 40°C

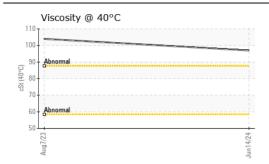
cSt

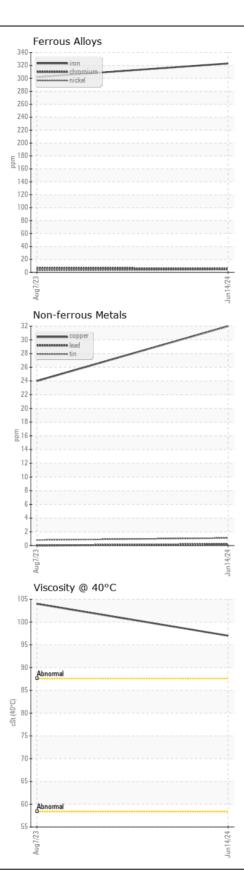
ASTM D445

Submitted By: AMANDA KARI

104

97.0





CW MATTHEWS 1600 KENVIEW DRIVE MARIETTA, GA US 30060 Contact: JOHN FARESS jfaress@cwmatthews.com T: 106:2012) F:



 Unique Number
 : 11100864
 Diagnosed
 : 01 Jul 2024 - Jonathan Hester

 Certificate 12367
 Test Package
 : CONST
 Contact

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 jfaress

 \* - 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)

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

Received

Tested

: 27 Jun 2024

: 01 Jul 2024

Laboratory

Sample No.

Lab Number : 06222667

: ASC0010890

Submitted By: AMANDA KARI Page 2 of 2