

# CONSTRUCTION EQUIPMENT VOLVO A30G 752847 - FRONT AXLE



Sample No: VCP444741

Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5

Job No:

SAMPLE INFORMATION	
Sample Number   VCP444741   VCP398093   VCP384936	
Sample Date   16 Mar 2024   15 Mar 2023   15 Nov 2022     Machine Hours   3292   1063   484     Oil Hours   2792   500   500     Oil Changed   Not Changd   Not Changd   Changed     NormAll   NORMAL   NORMAL   NORMAL     NORMAL     NORMAL	
Machine Hours         3292         1063         484            Oil Hours         2792         500         500            Oil Changed         Not Changd         Not Changd         Changed            Sample Status         NORMAL         NORMAL         NORMAL            OIL CONDITION           Visc @ 40°C         CSt         200         206         87.7            CONTAMINATION           Water         %         NEG         NEG         NEG         NEG            Solicon         ppm         0         <1	
Coll Hours	
Not Changed   Not Changed   Not Changed   Normal   Norm	
NORMAL   NORMAL   NORMAL   NORMAL	
OIL CONDITION  Visc @ 40°C	
OIL CONDITION	
Value Contamination  Water % NEG NEG NEG Silicon ppm 4 5 5 5 Sodium ppm 0 4 5 5 5 Cotassium ppm 159 134 282 Copper ppm 18 8 14 Lead ppm 0 0 0 1 1 Fin ppm 1 0 0 1 1 Aluminum ppm 0 0 1 1 0 1 Chromium ppm 0 0 1 1 0 1 Chromium ppm 0 0 0 1 1 Chromium ppm 0 0 0 1 1 Chromium ppm 0 0 0 1 1 Chromium ppm 0 0 0 0 0 Silver ppm 0 0 0 0 0 Silver ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
CONTAMINATION  Water % NEG NEG NEG Silicon ppm 4 5 5 5 Sodium ppm 0 0 <-1 <-1 <-1 < Potassium ppm 2 0 <-1 <-1 < Copper ppm 18 8 14 Lead ppm 0 0 <-1 <-1 < Lead ppm 0 0 <-1 < Lin ppm 1 0 <-1 < Chromium ppm 0 0 < Chromium ppm 0 0 < Chromium ppm 0 0 0 0 Chromium ppm 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
CONTAMINATION  Water % NEG NEG NEG Silicon ppm 4 5 5 5 Sodium ppm 0 0 <-1 <-1 <-1 < Potassium ppm 2 0 <-1 <-1 < Copper ppm 18 8 14 Lead ppm 0 0 <-1 <-1 < Lead ppm 0 0 <-1 < Lin ppm 1 0 <-1 < Chromium ppm 0 0 < Chromium ppm 0 0 < Chromium ppm 0 0 0 0 Chromium ppm 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 0 Chromium ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
CONTAMINATION   Water   %   NEG	
Water         %         NEG         1         NEG         NEG         1	
Soliticon   ppm   0	
VEAR METALS   VEAR METALS   VEAR METALS	
VEAR METALS	
WEAR METALS           Gron         ppm         159         134         282            Copper         ppm         18         8         14            Lead         ppm         0         0         <1	
WEAR METALS           ron         ppm         159         134         282            Copper         ppm         18         8         14            Lead         ppm         0         0         <1	
WEAR METALS           Iron         ppm         159         134         282            Copper         ppm         18         8         14            Lead         ppm         0         0         <1	
Trin	
Copper	
Lead	
Tin ppm 1 0	
Aluminum ppm 0	
Chromium ppm 2 2 6 6  Molybdenum ppm 6 7 13  Nickel ppm 1 0 0 0 0  Silver ppm 0 0 0 0 0  Manganese ppm 4 4 4 111  Vanadium ppm 0 0 0 0 0  ADDITIVES  Calcium ppm 363 389 1084	
Molybdenum ppm	
Nickel         ppm         1         <1         3            Titanium         ppm         0         0         0            Silver         ppm         0         0         0            Manganese         ppm         4         4         11            Vanadium         ppm         0         0         0            ADDITIVES           Calcium         ppm         363         389         1084	
Titanium ppm 0 0 0 0 Silver ppm 0 0 0 0 Manganese ppm 4 4 11 Vanadium ppm 0 0 0 0  ADDITIVES  Calcium ppm 363 389 1084	
Titanium         ppm         0         0         0            Silver         ppm         0         0         0            Manganese         ppm         4         4         11            Vanadium         ppm         0         0         0            ADDITIVES           Calcium         ppm         363         389         1084	
Silver         ppm         0         0         0            Manganese         ppm         4         4         11            Vanadium         ppm         0         0         0            ADDITIVES           Calcium         ppm         363         389         1084	
Manganese         ppm         4         4         11            Vanadium         ppm         0         0         0            ADDITIVES           Calcium         ppm         363         389         1084	
Vanadium         ppm         0         0         0            ADDITIVES         Calcium         ppm         363         389         1084	
ADDITIVES  Calcium ppm 363 389 1084	
ADDITIVES           Calcium         ppm         ■363         389         ■1084	
Calcium ppm <b>363</b> 389 <b>1</b> 084	
Magnesium ppm <b>□18</b> □23 □4	
Zinc ppm <b>■184</b> ■185 ■442	
Phosphorus ppm <b>1129</b> 1083 1254	
Barium ppm <b>1</b> 0 0	
Boron ppm <b>170</b> 177 239	



#### **RIPA AND ASSOCIATES**

10149 FISHER AVENUE TAMPA, FL US 33619 Contact: PM Services PMServices@ripaconstruction.com T: F:

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:RIPTAMUnique No:11018976Signed:Wes DavisReport Date:09 May 2024

Contact/Location: PM Services ? - RIPTAM



## **CONSTRUCTION EQUIPMENT**





