



VOLVO A30G 752679

Component Rear Axle

VÕLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

| RECOMMENDATION | |
|--------------------------------------|-------------|
| Resample at the next service interva | to monitor. |

WEAR

All component wear rates are normal.

CONTAMINATION

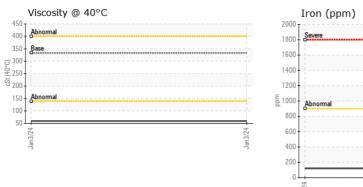
There is no indication of any contamination in the oil.

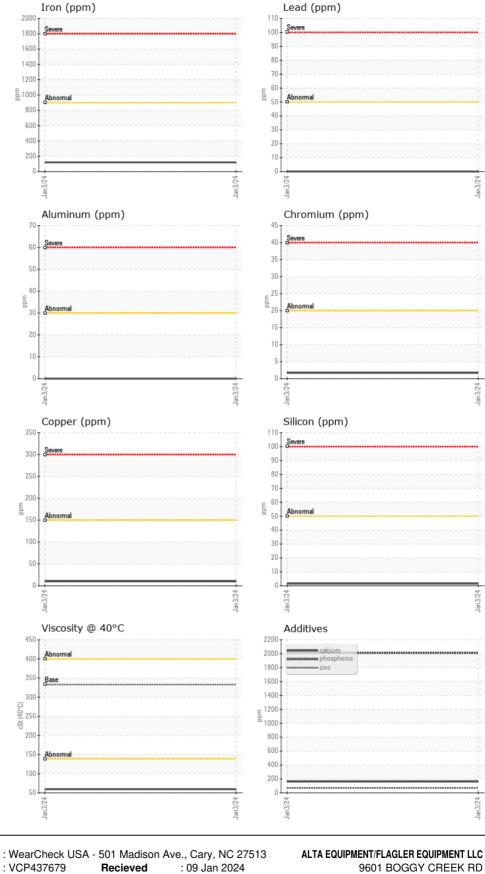
FLUID CONDITION

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

| TestUOMMethodLimit/AbCurrentHistory1History2Sample NumberClient Info03 Jar 2024Machine AgehrsClient Info0Dil AgehrsClient Info0Filter AgehrsClient Info0Oil ChangedClient InfoNot ChangedFilter AgeClient InfoNot ChangedGin ChangedClient InfoNot ChangedFilter AgeSilter InfoNot ChangedGromiumppmASTM D5185>900120NickelppmASTM D5185>101SilverppmASTM D5185>101AlumiumppmASTM D5185>500VanadiumppmASTM D5185>20<1Yellow Metalscala"VisualNONENONESilconppmASTM D5185>501Yellow Metalscala"VisualNONENONESilconppmASTM D5185>502SilconppmASTM D5185>502SilconppmASTM D5185>501 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<> | | | | | | | |
|--|------------------|--------|-------------|--------------|-------------|----------|----------|
| Sample DateClient Info03 Jan 2024Machine AgehrsClient Info2060Filter AgehrsClient Info0Gli ChangedClient InfoChangedGli ChangedClient InfoNot ChangedFilter ChangedClient InfoNot ChangedSample StatusNot ChangedIronppmASTM D5185>900120NickelppmASTM D5185>202NickelppmASTM D5185>500SilverppmASTM D5185500AluminumppmASTM D5185>500VanadiumppmASTM D5185>5010VanadiumppmASTM D5185>20<1VanadiumppmASTM D5185>20<1VanadiumppmASTM D5185>20<1ValadiumppmASTM D5185>20<1VanadiumppmASTM D5185>20<1ValadiumppmASTM D5185>20<1SiliconppmASTM D5185>20<1SiliconppmASTM D5185 <th>Test</th> <th>UOM</th> <th>Method</th> <th>Limit/Abn</th> <th>Current</th> <th>History1</th> <th>History2</th> | Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
| Machine Age hrs Client Info 2060 Oil Age hrs Client Info 0 Filter Age hrs Client Info Changed Gil Changed Client Info Not Changed Filter Changed Client Info Not Changed Filter Changed Client Info Not Changed Sample Status Version NORMAL Iron ppm ASTM D5185m >20 2 Chromium ppm ASTM D5185m >10 1 Nickel ppm ASTM D5185m >50 0 Aluminum ppm ASTM D5185m >50 10 Vanadium ppm ASTM D5185m >50 10 Vanadium ppm ASTM D5185m | Sample Number | | Client Info | | VCP437679 | | |
| Oil AgehrsClient Info0Filter AgehrsClient InfoChangedOil ChangedClient InfoNot ChangedFilter ChangedQClient InfoNot ChangedSample StatusNORMALIronppmASTM D5185m>900120ChromiumppmASTM D5185m>202NickelppmASTM D5185m101SilverppmASTM D5185m500AluminumppmASTM D5185m>500LeadppmASTM D5185m>500VanduimppmASTM D5185m>500VanduimppmASTM D5185m>5010Valdow Metalscalar'VisualNONENONESiliconppmASTM D5185m502SiliconppmASTM D5185m>502SiliconppmASTM D5185mS02SiliconppmASTM D5185m>502SiliconppmASTM D5185mS02SiliconppmASTM D5185mS02Sodium <t< th=""><th>Sample Date</th><th></th><th>Client Info</th><th></th><th>03 Jan 2024</th><th></th><th></th></t<> | Sample Date | | Client Info | | 03 Jan 2024 | | |
| Filter AgeInsClient Info0Oil ChangedClient InfoChangedFilter ChangedQClient InfoNot ChangedSample StatusNORMALIronppmASTM D5185m>900120NickelppmASTM D5185m>101NickelppmASTM D5185m>101TitaniumppmASTM D5185m500AluminumppmASTM D5185m>500LeadppmASTM D5185m>500CopperppmASTM D5185m>20<1VanaduumppmASTM D5185m>500VanaduumppmASTM D5185m>502VanaduumppmASTM D5185m>502VanaduumppmASTM D5185m>502SiliconppmASTM D5185m>502SiliconppmASTM D5185m>502SiliconppmASTM D5185m>20<1SiliconppmASTM D5185m>20<1SiliconppmASTM D5185m>20<1 <trr< th=""><th>Machine Age</th><th>hrs</th><th>Client Info</th><th></th><th>2060</th><th></th><th></th></trr<> | Machine Age | hrs | Client Info | | 2060 | | |
| Oil ChangedClient InfoChangedFilter ChangedClient InfoNot ChangdSample StatusVNORMALIronppmASTM D5185m>00120ChromiumppmASTM D5185m>101NickelppmASTM D5185m>101SilverppmASTM D5185mS00AluminumppmASTM D5185m>500LeadppmASTM D5185m>500VanadiumppmASTM D5185m>20<1VanadiumppmASTM D5185m>20<1VanadiumppmASTM D5185m>500VanadiumppmASTM D5185m>502VanadiumppmASTM D5185m>502VanadiumppmASTM D5185m>502VanadiumppmASTM D5185m>502VanadiumppmASTM D5185m>502VanadiumppmASTM D5185m>502VanadiumppmASTM D5185m>502SiliconppmASTM D5185m>502 | Oil Age | hrs | Client Info | | 0 | | |
| Filter Changed Sample Status Client Info Not Changed NORMAL Iron ppm ASTM D5185m >900 120 Chromium ppm ASTM D5185m >20 2 Nickel ppm ASTM D5185m >10 1 Nickel ppm ASTM D5185m >10 1 Silver ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >50 0 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D518 | Filter Age | hrs | Client Info | | 0 | | |
| Sample Status NORIMAL Iron ppm ASTM D5185m >900 120 Chromium ppm ASTM D5185m >20 2 Nickel ppm ASTM D5185m >10 1 Nickel ppm ASTM D5185m >10 1 Silver ppm ASTM D5185m >0 0 Aluminum ppm ASTM D5185m >30 0 Lead ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 | Oil Changed | | Client Info | | Changed | | |
| Iron ppm ASTM D5185m >900 120 Chromium ppm ASTM D5185m >20 2 Nickel ppm ASTM D5185m >10 1 Titanium ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >30 0 Aluminum ppm ASTM D5185m >30 0 Lead ppm ASTM D5185m >50 0 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 | Filter Changed | | Client Info | | Not Changd | | |
| Chromium ppm ASTM D5185m >20 2 Nickel ppm ASTM D5185m >10 1 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m >50 0 Aluminum ppm ASTM D5185m >50 0 Lead ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >50 2 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 <th>Sample Status</th> <th></th> <th></th> <th></th> <th>NORMAL</th> <th></th> <th></th> | Sample Status | | | | NORMAL | | |
| Chromium ppm ASTM D5185m >20 2 Nickel ppm ASTM D5185m >10 1 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m >50 0 Aluminum ppm ASTM D5185m >50 0 Lead ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >50 2 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 <th>Iron</th> <th>nnm</th> <th>AQTM D5185m</th> <th><u>\</u>000</th> <th>120</th> <th></th> <th></th> | Iron | nnm | AQTM D5185m | <u>\</u> 000 | 120 | | |
| Nickel ppm ASTM D5185m >10 1 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m S0 0 Aluminum ppm ASTM D5185m >50 0 Lead ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >50 0 Vanadium ppm ASTM D5185m >0 10 Vanadium ppm ASTM D5185m >0 2 Vanadium ppm ASTM D5185m >0 2 Vanadium ppm ASTM D5185m >0 2 Vanadium ppm ASTM D5185m >20 <11 | | | | | - | | |
| Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m >30 0 Aluminum ppm ASTM D5185m >30 0 Lead ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >10 Tin ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >50 2 Water WC Method >0.2 NEG Silit scalar *Visual NONE NORE Appearance scala | | | | | _ | | |
| Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >30 0 Lead ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >10 Tin ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >50 2 Vanadium ppm ASTM D5185m >50 2 Vanadium ppm ASTM D5185m >50 2 Vellow Metal scalar *Visual NONE NORE Silicon ppm ASTM D5185m NONE NORE <th></th> <th></th> <th></th> <th>>10</th> <th></th> <th></th> <th></th> | | | | >10 | | | |
| Aluminum ppm ASTM D5185m >30 0 Lead ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >20 <1 Water WC Method >0.2 NEG Debris scalar *Visual NORE NORE Appearance scalar *Visual NORML NORML | | | | | - | | |
| Lead ppm ASTM D5185m >50 0 Copper ppm ASTM D5185m >150 10 Tin ppm ASTM D5185m >20 <1 | | | | . 20 | - | | |
| Copper ppm ASTM D5185m >150 10 Tin ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >0 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >50 2 Potassium ppm ASTM D5185m >20 <1 Water WC Method >0.2 NEG Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Godr scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML | | | | | - | | |
| TinppmASTM D5185m>20<1 | | | | | - | | |
| Vanadium ppm ASTM D5185m O White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >50 2 Silicon ppm ASTM D5185m >20 <1 Potassium ppm ASTM D5185m >20 <1 Water WC Method >0.2 NEG Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORM NORML Odor scalar *Visual NORML NORML Sodium ppm ASTM D5185m 0.0 0 Boron ppm ASTM D5185m 0.1 273 | | | | | | | |
| White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >50 2 Potassium ppm ASTM D5185m >20 <1 Water WC Method >0.2 NEG Silt scalar *Visual NONE LIGHT Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NORE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Boron ppm ASTM D5185m 111 273 Molybdenum ppm ASTM D5185m | | | | >20 | | | |
| Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >20 <1 Potassium ppm ASTM D5185m >20 <1 Water WC Method >0.2 NEG Silt scalar *Visual NONE LIGHT Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NORE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Sodium ppm ASTM D5185m 0.2 NEG Boron ppm ASTM D5185m 0.11 273 Molybdenum ppm ASTM D5185m | | | | NONE | - | | |
| SiliconppmASTM D5185m>502PotassiumppmASTM D5185m>20<1WaterWC Method>0.2NEGSiltscalar*VisualNONELIGHTDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLSodiumppmASTM D5185m111273BoronppmASTM D5185m0.00ManganeseppmASTM D5185m0.04MagnesiumppmASTM D5185m391PhosphorusppmASTM D5185m9202009ZincppmASTM D5185m10468SulfurppmASTM D5185m2017925106 | | | | | - | | |
| PotassiumppmASTM D5185m>20<1 | Yellow Metal | scalar | *Visual | NONE | NONE | | |
| PotassiumppmASTM D5185m>20<1 | Silicon | ppm | ASTM D5185m | >50 | 2 | | |
| WaterWC Method>0.2NEGSiltscalar*VisualNONELIGHTDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m111273BoronppmASTM D5185m0.00MolybdenumppmASTM D5185m0.92MagnesiumppmASTM D5185m0.04PhosphorusppmASTM D5185m93162ZincppmASTM D5185m10468SulfurppmASTM D5185m2017925106 | Potassium | | ASTM D5185m | >20 | <1 | | |
| Debrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m111273BoronppmASTM D5185m0.00MalganeseppmASTM D5185m0.92MagnesiumppmASTM D5185m391MagnesiumppmASTM D5185m93162PhosphorusppmASTM D5185m10468ZincppmASTM D5185m2017925106 | Water | | WC Method | >0.2 | NEG | | |
| Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m111273BoronppmASTM D5185m0.00BariumppmASTM D5185m0.92MolybdenumppmASTM D5185m0.04MagnesiumppmASTM D5185m391CalciumppmASTM D5185m93162PhosphorusppmASTM D5185m10468SulfurppmASTM D5185m2017925106 | Silt | scalar | *Visual | NONE | LIGHT | | |
| Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m2BoronppmASTM D5185m111273BariumppmASTM D5185m0.00MolybdenumppmASTM D5185m0.92ManganeseppmASTM D5185m0.04MagnesiumppmASTM D5185m93162PhosphorusppmASTM D5185m104688ZincppmASTM D5185m104688SulfurppmASTM D5185m2017925106 | Debris | scalar | *Visual | NONE | NONE | | |
| Odorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m2BoronppmASTM D5185m111273BariumppmASTM D5185m0.00MolybdenumppmASTM D5185m0.92ManganeseppmASTM D5185m0.04MagnesiumppmASTM D5185m93162PhosphorusppmASTM D5185m9202009ZincppmASTM D5185m10468SulfurppmASTM D5185m2017925106 | Sand/Dirt | scalar | *Visual | NONE | NONE | | |
| Emulsified Water scalar *Visual >0.2 NEG Sodium ppm ASTM D5185m 2 Boron ppm ASTM D5185m 111 273 Barium ppm ASTM D5185m 0.0 0 Molybdenum ppm ASTM D5185m 0.9 2 Manganese ppm ASTM D5185m 0.0 4 Magnesium ppm ASTM D5185m 9.0 4 Calcium ppm ASTM D5185m 93 162 Phosphorus ppm ASTM D5185m 920 2009 Zinc ppm ASTM D5185m 104 68 Sulfur ppm ASTM D5185m 20179 25106 | Appearance | scalar | *Visual | NORML | NORML | | |
| Sodium ppm ASTM D5185m 2 Boron ppm ASTM D5185m 111 273 Barium ppm ASTM D5185m 0.0 0 Molybdenum ppm ASTM D5185m 0.9 2 Manganese ppm ASTM D5185m 0.0 4 Magnesium ppm ASTM D5185m 0.0 4 Calcium ppm ASTM D5185m 93 162 Phosphorus ppm ASTM D5185m 93 162 Zinc ppm ASTM D5185m 920 2009 Sulfur ppm ASTM D5185m 104 68 | Odor | scalar | *Visual | NORML | NORML | | |
| Boron ppm ASTM D5185m 111 273 Barium ppm ASTM D5185m 0.0 0 Molybdenum ppm ASTM D5185m 0.9 2 Manganese ppm ASTM D5185m 0.0 4 Magnesium ppm ASTM D5185m 39 1 Calcium ppm ASTM D5185m 93 162 Phosphorus ppm ASTM D5185m 920 2009 Zinc ppm ASTM D5185m 104 68 Sulfur ppm ASTM D5185m 20179 25106 | Emulsified Water | scalar | *Visual | >0.2 | NEG | | |
| Boron ppm ASTM D5185m 111 273 Barium ppm ASTM D5185m 0.0 0 Molybdenum ppm ASTM D5185m 0.9 2 Manganese ppm ASTM D5185m 0.0 4 Magnesium ppm ASTM D5185m 39 1 Calcium ppm ASTM D5185m 93 162 Phosphorus ppm ASTM D5185m 920 2009 Zinc ppm ASTM D5185m 104 68 Sulfur ppm ASTM D5185m 20179 25106 | | | | | | | |
| Barium ppm ASTM D5185m 0.0 0 Molybdenum ppm ASTM D5185m 0.9 2 Manganese ppm ASTM D5185m 0.0 4 Magnesium ppm ASTM D5185m 39 1 Calcium ppm ASTM D5185m 93 162 Phosphorus ppm ASTM D5185m 920 2009 Zinc ppm ASTM D5185m 104 68 Sulfur ppm ASTM D5185m 20179 25106 | Sodium | ppm | | | 2 | | |
| Molybdenum ppm ASTM D5185m 0.9 2 Manganese ppm ASTM D5185m 0.0 4 Magnesium ppm ASTM D5185m 39 1 Calcium ppm ASTM D5185m 93 162 Phosphorus ppm ASTM D5185m 920 2009 Zinc ppm ASTM D5185m 104 68 Sulfur ppm ASTM D5185m 20179 25106 | | ppm | ASTM D5185m | 111 | 273 | | |
| Manganese ppm ASTM D5185m 0.0 4 Magnesium ppm ASTM D5185m 39 1 Calcium ppm ASTM D5185m 93 162 Phosphorus ppm ASTM D5185m 920 2009 Zinc ppm ASTM D5185m 104 68 Sulfur ppm ASTM D5185m 20179 25106 | | ppm | | | | | |
| Magnesium ppm ASTM D5185m 39 1 Calcium ppm ASTM D5185m 93 162 Phosphorus ppm ASTM D5185m 920 2009 Zinc ppm ASTM D5185m 104 68 Sulfur ppm ASTM D5185m 20179 25106 | Molybdenum | ppm | | 0.9 | 2 | | |
| Calcium ppm ASTM D5185m 93 162 Phosphorus ppm ASTM D5185m 920 2009 Zinc ppm ASTM D5185m 104 68 Sulfur ppm ASTM D5185m 20179 25106 | Manganese | ppm | ASTM D5185m | 0.0 | 4 | | |
| Phosphorus ppm ASTM D5185m 920 2009 Zinc ppm ASTM D5185m 104 68 Sulfur ppm ASTM D5185m 20179 25106 | Magnesium | ppm | ASTM D5185m | 39 | 1 | | |
| Zinc ppm ASTM D5185m 104 68 Sulfur ppm ASTM D5185m 20179 25106 | Calcium | ppm | ASTM D5185m | 93 | 162 | | |
| Sulfur ppm ASTM D5185m 20179 25106 | Phosphorus | ppm | ASTM D5185m | 920 | 2009 | | |
| | Zinc | ppm | ASTM D5185m | 104 | 68 | | |
| Visc @ 40°C cSt ASTM D445 333 59.4 | Sulfur | ppm | ASTM D5185m | 20179 | 25106 | | |
| | Visc @ 40°C | cSt | ASTM D445 | 333 | 59.4 | | |

Contact/Location: Robert LaPlante - VOLVO0096





Lab Number : 06055622 : 10 Jan 2024 Diagnosed : 10821571 Unique Number : Sean Felton Diagnostician Test Package : MOB 1 Contact: Robert LaPlante Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. robert.laplante@altg.com * - 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)

Report Id: VOLVO0096 [WUSCAR] 06055622 (Generated: 01/10/2024 20:39:16) Rev: 1

Laboratory

Sample No.

Contact/Location: Robert LaPlante - VOLVO0096

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