



# TellLab

**Demo**

Location: Demo

Unit ID: **FLG05A04A**

Model: Rotation Drive - Filter Gearbox

Machine Type: Gear (A.A.)



Appearance: Hazy  
 High iron level suggests possible gear/shaft wear present. Check for signs of excess wear or vibration.  
 High lead level suggests bearing wear present.  
 High silicon level present. Check for dirt contamination. Check air breathers.  
 Viscosity at 40 is low for the stated grade.  
 Advise : Change oil if not changed when oil sample was taken.  
 Re-sample at next service interval

KR, 11 Jun 2015

Oil	Castrol Alpha SP220	Sample ID	472D4F (P5900)	37F132 (N4589)	2BE210 (M6934)	1B46A9 (L6026)	D4E1A (I6594)	
Note:		Sampled on	05 Jun 2015	30 Apr 2014	20 Jun 2013	31 May 2012	14 Jun 2011	
		Received on	09 Jun 2015	07 May 2014	24 Jun 2013	07 Jun 2012	21 Jun 2011	
		hr Total						
		hr Oil						
		Top up (l.)						
		Warning Limits						
	Iron	ppm	50	<b>205</b>	<b>205</b>	<b>217</b>	<b>233</b>	<b>223</b>
	Chromium	ppm		3	3	4	5	3
	Nickel	ppm		<1	<1	<1	<1	<1
	Molybdenum	ppm		<1	<1	<1	<1	1
ASTM D6595-00 WEAR METALS	Aluminium	ppm	5	2	1	2	2	1
	Lead	ppm	10	<b>45</b>	<b>46</b>	<b>49</b>	<b>55</b>	<b>47</b>
	Copper	ppm	5	<1	<1	<1	1	<1
	Tin	ppm	5	<1	<1	<1	<1	<1
	Silver	ppm		<1	<1	<1	<1	<1
	Titanium	ppm		<1	<1	<1	<1	<1
	Silicon	ppm	10	<b>26</b>	<b>28</b>	<b>33</b>	<b>33</b>	<b>31</b>
	Sodium	ppm		4	3	4	5	3
ASTM D6595-00 CONTAMINANTS	Vanadium	ppm		<1	<1	<1	<1	<1
	Calcium	ppm		18	16	17	21	16
	Magnesium	ppm		3	2	3	3	2
	Phosphorus	ppm		253	388	359	236	414
	Zinc	ppm		17	22	23	49	24
	Barium	ppm		11	10	11	13	9
	Boron	ppm		<1	<1	<1	<1	1
ASTM D445	Viscosity at 40°C	cSt	198 - 242	<b>196</b>	198	<b>197</b>	211	202
	TAN	mg KOH/g		2.14	2.37	12.61	1.55	1.79
ASTM E2412	Water	ppm	1000.0	<10.0	148.0	213.5	126.5	129.6
	OX	abs/mm2		6.7	7.1	12.4	6.6	6.5
	Appearance Rating			30.0	20.0	20.0	20.0	20.0

Date 15 Sep 2015